# ELEVENTH CATALOGUE

OF THE

# ARKANSAS INDUSTRIAL UNIVERSITY,

LOCATED AT

Fayetteville, Washington County, Arkansas.

FOR THE YEAR ENDING JUNE 7, 1883;

AND

ANNOUNCEMENT FOR 1883-84.

ORGANIZED SEPTEMBER 18, 1871.

JUNE 1883.

# UNIVERSITY OF ARKANSAS LIBRARY

I.ITTLE ROCK:
A. M. WOODRUFF, ADM'R GEO. WOODRUFF, PRINTER.
1883.

# -ARKANSAS-

# ≪INDUSTRIAL UNIVERSITY. ▷



# DIMENSIONS AND CHPACITY.

It is 214 feet long by 122 feet wide, covering an area of 26,108 square feet. It is five stories high, with French or Mansard roof, covered with slate and tin. The height of the building is 134 feet.

The basement story is built of stone; the foundation is bedded on solid rock. The next three stories are built of brick, and the attic of wood. The basement story is in height, 13 feet in the clear; first and second stories, 16 feet each; third and fourth, 12 feet; the clock and bell towers extending two stories above the attic.

There are ten rooms 77 by 61 feet, ten rooms 22 by 29 feet, ten rooms 22 by 28 feet, ten rooms 22 by 25 feet, ten rooms 22 by 22 feet, ten rooms 22 by 19 feet, five rooms 15 by 28 feet, four rooms 22 by 20 feet, and one room 74 by 50 feet—making a total of seventy rooms. In addition, there are four corridors 15 by 28 feet, and four corridors 14 by 210 feet.

v.11-15

# MEDICAL DEPARTMENT,

LITTLE ROCK, ARK.

3,000 -

SESSION OF 1883--84.

#### PROFESSORS:

P. O. HOOPER, M. D., Practice of Medicine, and President of the Faculty.

> EDWIN BENTLEY, M. D., Institutes and Practice of Surgery.

A. L. BREYSACHER, M. D.,

Obstetrics and Diseases of Women and Children.

JAS. A. DIBRELL, JR., M. D.,

General, Descriptive and Surgical Anatomy.

JOHN J. McALMONT. M. D..

Materia Medica, Therapeutics, Hygiene and Botuny.

JAMES H. SOUTHALL, M. D., Institutes of Medicine.

ROSCOE G. JENNINGS, M. D.,

Clinical Surgery and Dermatology.
J. M. BUCHANAN, M. D.,

Medical Chemistry and Toxicology.

L. P. GIBSON, M. D., Demonstrator of Anatomy.

T. E. MURRELL, M. D.,
Ophthalmology and Otology.

JAMES H. LENOW, M. D.

Diseases of Genilo-Urinary Organs.

CLAIBORNE WATKINS, M. D., Physical Diagnosis and Clinical Medicine.

LOUIS R. STARK, M. D.,

Gynacology.

JOHN WATERS, M. D.,

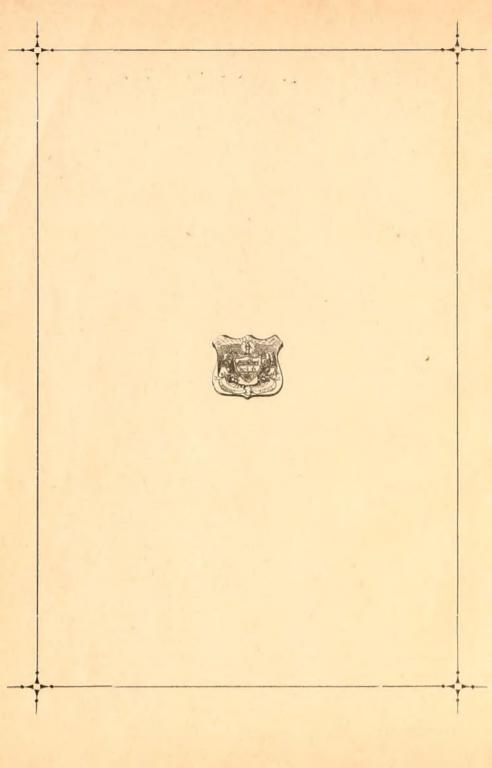
Clinical Medicine and Prosector of Anatomy.

LOUIS AUGSPATH, D. D. S., Oral Surgery.

W. U. SIMONS, U. S. SIGNAL SERVICE, Meleorology, Elc.

John Canonico, Janitor, at the College, on Second, between Main and Louisiana Sts.

All communications should be addressed to R. G. JENNINGS, M. D., Secretary of
Faculty, Little Rock, Ark.



Students to From "hil

Student Zoute

# CATALOGUE OF STUDENTS.

For the Session Commencing September 5th, 1882, and Ending June 7th, 1883.

Regular students in the Collegiate Department are graded in General Deportment and Scholarship on the grade of 100. In all the classes except the Senior, the numbers prefixed to the names indicate rank, No. 1 indicating first rank; No. 2 second rank, etc.

Irregulars, and those taking a Partial Course, are not graded.

NOTE-Very many parents have moved to Washington County for the purpose of educating their children. This accounts for the large number of students from that county.

# ACADEMIC DEPARTMENT.

#### ABBREVIATIONS.

a .- Agricultural.

c.-Classical Course.

s.-Scientific.

m .- Modern Languages.

e.-English Letters. 1.-Latin Letters ..

eng .- Engineering.

i .-- Irregular in the course, regular if not otherwise designated.

#### SENIOR CLASS.

	Bates, C. O	Cincinnati	Wankington	Country	A min
Cv	Dates, C. O	Cincinnaci,			
1.	Cravens, Jessie	Fayetteville,	8.6	1.3	5.6
c.	England, W. W	Evansville,	44	48	41
C.	Greaves, C. D	Hot Spri	ngs, Garland	County,	Ark.
e.	Mayes, J. F	Fayetteville,	Washington	County,	Ark.
C.	Stroup, Henry	Webb City,	Franklin Co	unty,	-11
e.	Taliaferro, Lou	Bentony	ille, Benton	County,	Ark.
			T	otal 7.	

### JUNIOR CLASS.

	JUN	TOR CLASS,	
1.	Anderson, L. S		Ark.
1.	Duncan, W. H	Conway, Faulkner County,	4.6
i. 1.	Edmiston, W. L	Springfield	Mo.
i. c.	Gates, David A	Tillar's Station, Drew County,	Ark.
1.		El Dorado, Union "	66
1.		La Crosse, Izard	6.6.
1.		Jonesboro, Craighead "	66
i. l.		Dardanelle, Yell	4.6
			6.0
1.			6.6
i, e.		Ft. Smith, Sepastian	11
i.e.	Pape, Annie	1111 201010 20101000	i.i.
1.		rayetteville, washington	CI.
C.	Tall, J. L	Waldron, Scott "Total 13.	
		I OURI 10.	

### SOPHOMORE CLASS.

1.	m.	Bates, J. H	Cincinnati, Washington Cour	nty, Ark.
	i. s.	Floyd, J. R	Bentonville, Benton	2 (4
		Gates, Maria		6.0
		Hart, J. C		4 11
		Howell, J. W		41
1.		Kinsworthy, E. B		i ii
		Leverett, Julia		i ii
		Massie, Julia		11, 11
		Morris, Rov. E. E.		(1) (1)
1.		Notrebe, E. P		11 11
		Ross, T. A		1 66
0.		Sutton, Mollie		16 44
		Wilkinson, H. D		
4.		Woodall, W. H		i it
		Wolverton, C. D		
2.	I.	Wolverton, G. D	Total	

## FRESHMAN CLASS.

i.	Albright, S. K	Fayetteville,	Washington	County,	Ark.
1.	Barr, J. H	Springdale,	3.4	11	1.5
m.	Bates, Nannie		4.6	* 4.4	44
i. e.	Benbrook, Kittie	Fayetteville,	110	44	11
1.	Berry, J. C	Yelly	ille, Marion	3.4	3.1
ī.	Botefuhr, Lillie			1.	44
i. 1.	Bridges, R. B	Charlesto	on, Franklin	(1)	6.6
i, ens	c.Carden, F. M. L.			ri.	11
i.	Cook, W. W	V	iola, Fulton	61	4.6
eng.	Cowan, W. II	Bentony	ille, Benton	- 11	61

i.	Cravens, Lelia Fayetteville, Washington	££	4.6
c.	Dial, J. T	44	2.6
i.	Garrett, R. B	-66	11
i. l.	Goodbar, F MLonoke, Lonoke		1.1
i. c.	Gordon, T. BRussellville, Pope	- (1	41
i. c.		11	24
i. e.	Healy, MaryFayetteville, Washington	4.	44
c.	Inman, C. HGr	pevine	Tex
m.	Jennings, Lillie		
e.	Knight, Carrie	44	11
m.	Leverett, F. P.	6.0	11
1.	Leverett, Mary	-10	11
	Moessner, J. L	88	6.0
	McCulloch, R. BConway, Faulkner	410	61
1. 1.	Middleton, MaiFayetteville, Washington	~46	6.6
i. e.	Mulholland, Sara	41	6.4
1. c.	Moore, R. R	11	4.5
1	Noddin, Emma Minne	apolis.	Minr
i. c.			
i. l.	Phagan, J. C	1 - 11	64
C.	Saddler, W. P	11	66
	Sample, W. RFort Smith, Sebastian	1.6	11
i. 8.		16	- 11
i. c.	Smith, A. M	- 66	44
i. c.	Stone, A. B. Fayetteville, Washington	44	4.6
i. c.	Taff, J. H	4.1	- 66
i. c.	Thomasson, FannieVan Burch, Crawford	61	- 11
i. l.	Tillar, B. JTillar's Station, Drew	4.0	4.6
i. c.		61	41
	Wainwright, Lilian	6.0	- 11
ie			
i.	Whitlow, AddieBo		*
i.	Williams, McNairWashington, Hempstead		, Arl
	To	tal 42.	

## RECAPITUIATION.

Seniors	7
Juniors	13
Sophomores	15
Freshmen	42

7

# PREPARATORY DEPARTMENT.

#### SUB-FRESH CLASS

Berry, Nellie F	Bentonville, Benton Count	y, Ark.
Bollinger, Mattie	Fayetteville, Washington	13
Crouch, Dora	Fayetteville, Washington	9.1
Caruthers, Elmo		2.7
Curtis, S. M		11
Campbell. W. B		Texas.
Dunagan, D	Rhea's Mill, Washington Count	y, Ark.
Dickson, W. E		1)
Ellis, U. Z	Fayetteville, Washington	11.
Freyschlag, E. M	. Payettevine, washington	> >
Hunt, Josie	Fayetteville, Washington	22
Hall, H. J	Fayetteville, Washington	11
Humphreys, T. H	Fort Smith, Sebastian	1.2
Harrod. W		2.3
Hawkins, A. A	Dardanelle, Yell	13
Hawkins, J. A	Dardanelle, Yell	2.1
McIlroy, W. R	Fayetteville, Washington	11
Milner, P. H		11
Nealy, E. A		2
Nixon, Esmay		11
Patt-rson, A. M		1.0
Reynolds, Jennie	Fayetteville, Washington	11
Reddin, D. J	Paris, Logan	16
Stone, M. C	Webb City, Franklin	4.4
Suiton, H. S	Fayetteville, Washington	4.6
Thompson, J. L		1.4
Thompson, W. T	Monticello, Drew	1.6
Tillman, S. J	Fayetteville, Washington	4
Taff, J. A	Waldron, Scott	14.
Vaughn, W. R	Little Rock, Pulaski	4.6
Van Hook, W. M	Dorado, Chion	11
Whitlock, T		5.6
Webb, W. J	Charleston, Franklin	14
Wainwright, W. H	Fayetteville, Washington	14
Welch, J. W	Fayetteville, Washington	4
Total, 85.		
A. CLA		
Aiken, Don		y, Ark.
Bacon, G. R		11
Baily, B. F	Hot Springs, Garland	0.0
Baker, G. W		
Baker, J. B	The second secon	ii.

	Barnett. J. MSmithville, Lawrence		
	Barton, LizzieMound City, Crittenden	13	
	Barry, BelleFayetteville, Washington	6.6	
	Bates, W. RCincinnati,	4.6	
	Baum, JosGa	leng Kansa	q.
	Baum, NettieFayetteville, Washington		
		country, All	
	Delivious, W. L		
	Diake, C. M		
	Boone, Mary A	64	
	Carter, J. D	6.6	
	Carter, Nora	CF.	
	Chasteen, James	- 66	
	Coffey, Belle	44	
	Copeland, W. E	11	
	Donaghy. G. W	4.5	
		65	
	Dunagan, DRhea's Mill, Washington	14	
	Dupuy, D. CAskew,	4.5	
	Emerich, Jno Fort Smith, Sebastian		
	Fannin, E. JOai	k Lodge, I. 1	Γ.
	Flynn, MatFayetteville, Washington	County, Arl	ic.
	Fuqua, Birdie	- 65	
	Gilbreath, W. JSiloam, Benton	1.0	
	Gunter, WalkerFayetteville, Washington	4.1	
	Hall, H. J	4.0	
	Harris, Ala	5.5	
	Hart, E. W	44	
	Harris, C. JWebb City, Franklin	4.6	
	Hames, W. SPineville, Izard	46	
	Healy, C. J Fayetteville, Washington	-64	
	Hensly, W. BOzark, Franklin	2.6	
	Humphreys, T. HFt. Smith, Sebastian	66	
	Ingram, H. BWaller Chapel, Lonoke	6.6	
	Jackson, HenryFayetteville, Washington	11	
	Kemp, Elzie	44	
	Knight, Fred	4.6	
	Leverett, S. T	- 11	
	Lipe, J. G.	Oowalla I. T	Г
7	Maguire, H. MMaguire's Store, Washington		
4		46	
	Massey, J. WRondo, Conway	4.6	
	Mathis, Laura		
	Mays, Sallie	46	
	Mays, IGoshen,	46'	
	McCart, Jennie	11	
	McClure, Laura		
	McEnery, FredColumbus, Hempstead	4.6	
	McIlroy, J. HFayetteville, Washington	-8.6	
	McKinly, C. S	risburg, N.	C.
	McRoy, MinnieFayetteville, Washington	County, Ar	k.

Mills, W. B
Milner, P. H
Moessner, LottieFayetteville, Washington
Obenshain, Ora
Oldham, S. K
Ostrander, Effie
Pace, Ida
Parks, IdaPrairie Grove, " "
Patton, Maggie
Peel, Kate Benton "
Pettus, W. EOkalona, Clark "
Pettus, Euella
Purvear, J. WLonoke, Lonoke, "
Reed, J. LFayetteville, Washington "
Reed, W. L
Reid, C. C. Morrilton, Conway "
Rosenstein, W. C
Ross, Medaline
Rowland, J. HSummerville, Calhoun
Rutherford, R. S. Billingsly, Washington
Numeriora, dana
Gabiton, G. V accommendation of the Control of the
Stagle, IdaShoam, Denton
Steeper, Jas
Slocomb, J. RLittle Rock, Pulaski
Snell, W. W
Snodgrass, J. S
Stanford, W. TWaldron, Scott
Steere, FrankFayetteville, Washington "
Stone, M. C. Webb City, Franklin "
Sykes, McRae
Taff, A G
Taff, Mollie
A GIA PAVIALUE
Taylor, Maggie
Taylor, Chashing and Daren, Crawlord
Thomas, B. W
Thompson, W. T Monticello, Drew
Thompson, J. L
Thurmond, W. TFayetteville, Washington
Thurmond, Mamie
Tillman, Annie
Titsworth, E. NRoseville, Logan "
Trott, Robbie,
Van Winkle, Wallace
Valentine, J. T. Webb City, Franklin "
valentine, J. I
Walker, J. WFayetteville, Washington
Walker, J. W
Walker, J. W

Williams, H E	Fayetteville, Was	hington	County, Ark.
Whitlow, Mabel	6.6	6.6	4.4
Wilkerson, P. H	Reed's Creek.	Sharp	6.0
Total 105.			

# B. CLASS.

Albright, G. E	Fayetteville, Was	shington Cou	inty, Ark.
Bates, C. P	Cincinnati,	41	11
Baker, J. B	Fayettevilte,	4.4	6.6
Baker, G. W		6.0	6.6
Barry, Belle		4.6	9.6
Botefuhr, Beulah		44	6.6
Baum, Jos		Galen:	a. Kansas.
Coffey, F. M			
Carlisle, Jimmie		6.6	64
Dumas, A P		r. Drew	+4
Dowell, Delia			4.6
Donaghy, G. W			44
Dowell, S. F			6.0
Emerich, Louis			6.6
Ellis, Kate	Favetteville, Was	hington	44
Ellis, Jessie		66	0.0
Fuqua, Birdie		44	4.1
Floyd, W. E		Iohneton	44
Gunter, Walker			44
		antuRton	44
Gregg, H. L.		44	64
Harrison, J. C.		44	61
Harris, C. J		Franklin	44
Ingram, H. B	Waller Chanel	Lonoka	84
Irvin, Ida			41
Johnston, A. J			64
Kelton, Ida B		asurugton	44
McClelland, Mollie		61	
Mitchell, G. W		Voudent	
Marion, H. M			
		11	
McIlroy, J. H		44	4.5
Mays, T		- 11	
Melburn, Frank	r Byetteville,		11
Murrell, B. D	Ma Halla	Lonoke	11
McRae, K. G	Manufacia Stema Wa	hington	
North, Nattle	.Maguire a store, wa	antington	**
Newsom, Hubert			
Obenshain, Ulah	0-0-0-0		4.0
Oldham, S K			
Pace, Ida		shington	4.
Pitman, Hubert		* 44	4.
Rutherford, R. S		6.6	1.
Rutherford, Julia		477	
Rose, E. Carrie	Arkadelphi	a, Clark	

Raedles, Cora			*
Rosenstein, W. C			
Reaves, A. C			11111 111
Reaves, F. W		66	
Reynolds, Mattre		10 M. C. 10. 10.	
Reynolds, Lula		64	6.6
Sleeper, J. II			
Slagle, Ida			4.6
Simonds, Helen			6.6
Skelton, G. V	***	4.6	11
Simms, J. J		Boles, Scott	4.6
Snodgrass, Frankie	Sib	am, Benton	6.6
Thomas, Helen	.Fayetteville,	Washington	**
Trott, Bertha	6.6	4.4	4.6
Tilman, Annie	.Fayetteville,	Washington	6.4
Vaughu, J. C		**	
Valentine, J. T		y, Franklin	4.6
Williams, W. E			Salis, Miss.
Waiker, Nannie	Lavettes V	A istorial C	wanty Ark.
Webber, J. 11	Center Poi	nt, Howard	6.6
Young, O. I	Fayetteville,	Washington	4.4
Total 65.			
C. CLAS	SS		
		Vanhington C	Constant Andr
Agee, F. A	Fayetteville, V		
Agee, F. A	Fayetteville, V	Oak Lodge,	Indian Ter.
Agee, F. A	Fayetteville, V	Oak Lodge, Vashington C	Indian Ter, ounty, Ark,
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V	Oak Lodge, Washington C a, Crawford na, Phillips	Indian Ter, ounty, Ark,
Agee, F. A	Fayetteville, V	Oak Lodge, Washington C a, Crawford na, Phillips Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V	Oak Lodge, Washington C a, Crawford nn, Phillips Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V. Fayetteville, V	Oak Lodge, Washington C a, Crawford nn, Phillips Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V. Fayetteville, V. Fayetteville, V. Itele Fayetteville, V.  "" "" "" "" "" "" "" "" "" "" "" "" "	Oak Lodge, Washington C a, Crawford nn, Phillips Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V. Fayetteville, V. Hele Fayetteville, V.  """ """ """ """ """ """ """ """ """	Oak Lodge, Washington C a, Crawford nn, Phillips Washington	Indian Ter, founty, Ark,  " " " " " " " " " " " "
Agee, F. A	Fayetteville, V	Oak Lodge, Washington C a, Crawford nn, Phillips Washington "" "" "" Washington	Indian Ter, founty, Ark,  " " " " " " " " " " " " " " " " " "
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington """" """""""""""""""""""""""""""""""	Indian Ter, founty, Ark,  " " " " " " " " " " " " " " " " " "
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington """ Washington y, Franklin Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington """ Washington y, Franklin Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  Fayetteville, V.  Hele Fayetteville, V.  Fayetteville, V.  Fayetteville, V.  Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington y, Franklin Washington Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  Fayetteville, V.  Alm  Hele  Fayetteville, V.  Fayetteville, V.  Fayetteville, V.  Fayetteville, V.  Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington y, Franklin Washington , Franklin	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  " Washington y, Franklin Washington y, Franklin Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  "Fayetteville, V. "Itele Fayetteville, V. " " " " " " " " " " " " " " " " " " "	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington Washington Washington Washington Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  Characteville, V.  Fayetteville, V.  Cokerante Cok	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington Washington Washington Washington  Lod Washington  Washington  Lod Washington  Lod Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  Characteville, V.  Fayetteville, V.  Characteville, V.  Fayetteville, V.  Fayetteville, V.	Washington Ca, Crawford nn, Phillips Washington Cashington Cashing	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.  Control of the	Washington  Washington  Ca, Crawford  In, Phillips  Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V  Fayetteville, V  Alm  Hele Fayetteville, V  Fayetteville, V  Fayetteville, V  Chromes Alm  Oke  Fayetteville, V	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington Washington Washington Washington Washington Washington Washington  Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V.	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington Washington Washington Washington Washington Washington  Clark Washington	Indian Ter, founty, Ark,
Agee, F. A	Fayetteville, V  Fayetteville, V  If a petteville, V  If a petteville, V  If a petteville, V  Fayetteville, V	Oak Lodge, Washington C a, Crawford nn, Phillips Washington  Washington Washington Washington Washington Washington Washington Washington  Washington	Indian Ter, founty, Ark,

Echols, W. 1		Мешт	ohis. Tenn
Ellis, Jessie			
Foreman, G. E			
Fuqua, Jessie			
Gregg, Dora		46	66
Hall, W. W.		8.6	4.6
Hamor, Capitola		66	16
		14	44
Harris, Montie		Time or letter	44
			44
Harris, Wm		asnington	4.6
Harrison, Lida			44
Healey, Dan			64
Holt, G. W			4.1
Hughes, Martha M	~	is, Benton	44
Hughes, Geo. A			44
Hurlbut, Maud A			
Hyde, A. H.			
Irvin, Ida.		ontgomery Co	unty, Ark.
Irvin, Robt			66
Jackson Edna		ashington	
Jennings, W. B		4.4	14,
Jennings, Lizzie			#1
Charles Back and a second	4		**
Johnston, A. J		1.6	6+
Jordan, S. J			4.6
Kelton, S. H			6.6
Kelton, Ida B		6.0	86
Leverett Ammie	6 e	4.6	4.6
Maguire, Addie M:	iguire's Store,	4.4	6.6
Marion, Lena		16	L.2
Marion, H. M		4.6	. 6
McRoy, Julia		4.6	6.6
McClelland F. L		14	* *
Miller, O. H	4.6	14	+4
Millsap, N		8.6	4.6
Morrow, Mattie		, 44	4.6
Morrow, S. Y		6.6	4.6
Moore Mabel	E .	1.6	46
Moore, Nellie I		4	4.6
Moore, Fred	4.6	4	6a
Mullins, Dora	4.6		16
Naytor, Chas	4.4	4	4.6
New-om, Hubert		61	54
North, Nattie		4.6	6+
Nix, Minuie C		4.6	6
Nix, W. F.		6.6	+6
O Connell, Maggie		-4	44
Pace, Frank		ε,	4.5
		66	0 .
Parks, Faunte		4.6	6.
Patton, Beulah	ruyetteviile,		

• •	
Pelly, C. MFt. Smith, Sebastian C	County, Ark.
Pitman, Jennic	46
A TENNAN, ARGUELI	66
Proctor, W. L. Walnut Lake, Desha	64
Pangborn, Jessie	44
tationics, Amountainess and an arrangement of the state o	66
roothson, vos redungton,	
Rosenstein, W. C	
Sanderson, Berna	
Snodgrass, Frankie	4.
Smith, Leon	41
Steere Maggie	6.0
Taff, S. MWaldron, Scott	11
Thomas, Lizzle	al.
Valentine, Alice	11
* MCHARCE O & Decrete concession of the control of	41
VanWinkle, Peter	11
Vaughn, R E. LFayetteville, Washington	11
Walker, John	
Williams, Mary A	
Williams, J. S	21
Wallating, V a Advisor-concession construction and the Control Cy	11
Williamson, Carrie	
Wilson, A. J	11
Wittis, Lutte	11
wingo, zenas	0.7
Totals, C. T	* *
Total, 102.	
NOT CLASSID.	
Blackburn, Lura	Jounty, Ark.
Collier, J. H. Clarksville, Johnston	PT
Noble, T. P. Hamburg, Ashley	11
Rudolph, E Fayetteville, Washington	1.7
Williams, Harriet E	11
Yarnell, W. H Starcy, White	
Total, 7,	
RECAPITULATION,	
Sub-Freshman Class	95
A Class	
B Class.	
C Class	
Unclassed	
CHARGO	
Fotal by Classes	
Total by Classica	11.14

### MUSIC CLASS.

Barton, Lizzie	Mound City, C	rittenden C	ounty, Ark.
Carraway, Lula	Webb City	, Franklin	11
Inman, Mrs. N. L	**********************	Grap	Vine, Tex.
Lake, Ella	Prairie Grove, W	ashington C	ounty, Ark.
Leverett, Mary	Fayetteville,	23	17
Leverett, Julia	22	2.7	19
Lewis, Minnie	11	27	23
Maguire, Addie	laguire's Store,	1) "	21
McCroy, Minnie	Fayetteville,	2.7	21
Nealy, Ernest	11	19	33
Obenshain, Ora	12	3-9	2.7
Patton, Maggie	Cabot	, Lonoke	2.9
Peel, Kate	Bentonvill	e. Benton	11
Pittman, Jennie	Fayetteville, Wa	shington	2.2
Reed, Maud		2.9	1.9
Rieff, Emma		. 19	g b
Ross, Carrie			11
Slagel Ida			11
Trott, Robbie	Fayetteville, Wa	shington	6.6
Whitlow, Mabel	11	12	11
Williams, Naomi	7.7	2.3	17
Williamson, Carrie	Ft Smith,	Sebastian	23

## DRAWING CLASS.

Blake, Flora		Nevada Co	unty, Ark.
Blake, Hattie		21	2.9
Blakeley, LeonoraF:	yetteville, W	Vashington -	2.7
Carnall, Ella	11	11	11
Caruthers, Elmo	Wald	Iron, Scott	3.3
Fuqua, BirdieF	ayetteville, V	Vashington -	11
Gates, Maria	1.7	11	13
reglies Cold			
Harrison, Lida	11	21	11
Jennings, Lily	11	17	11
Leverett, Amarintha	21	11	11
Loy, Minnie	2.5	17	13
Mock, MagyleP	rairie Grove	11	11
Murdock, AnnieF	ayetteville,	11	11
Nixon, Ismene	Eureka Sprii	igs, Carroll	11
Porter, MamieFa	yetteville, W	ashington	11
Reed, Lina	11	11	91
Smith, Hannibal	72	11	11

Thomasson, Fannie	Van Bur	en, Crawford	County,	Ark.
Williams, Orville			5.9	
Williams, Mary	37	>1	2.1	
Young, Charles	. 12	1	21	
Total 22.				

### GENERAL SUMMARY.

Collegiate Department 7	7
reparatory (by classes)31	4
Jusie Class	?
Art "	2 ,
43:	5
Peduct for names repeated 6	3
	-
Total enrollment37	2



# COLLEGIATE DEPARTMENT.

#### COURSES OF STUDY.

The University offers nine regular courses of study, the Classical, Latin Letters, Modern Language, English, Civil Engineering, Mining Engineering, Agricultural and Normal, leading respectively to the degrees of Bachelor of Arts, Bachelor of Latin Letters, Bachelor of Letters, Bachelor of English, Civil Engineer, Mining Engineer, and Bachelor of Agriculture.

Students under twenty-one years of age will be required to take one of these regular courses, unless excused on the written application of parent or guardian.

# REQUIREMENTS FOR ADMISSION.

For admission to the Freshman Class, students wishing to take a full course, will be required to pass a satisfactory examination on all the studies of the correlated course of the Preparatory Department. Those who are not candidates for a degree, but may wish to take an irregular course, will be admitted to any collegiate class, on satisfying the professor in charge of such class of their fitness for the work.

# COURSES OF STUDY.

-		
		CLASSICAL LATIN LETTERS MODERN LAN-   ENGLISH COURSE.   COURSE.   COURSE.
	TERM,	Algebra Algebra
	1	English English English
	FIRST	factin
A.B.		Mod Latig
KE.		Geometry Geometry Geometry
z	ERN	English English English English
MA	E G	Physics or Bot Physics
FRESHMAN YEAR.	SI COND TERM	Latin Mod. Lang. or Mod. Lang. or Latin
FR	50	Greek or Mod, Lang
		Geometry Geometry Geometry
	HIRD TERM.	English English English English
	O TE	Physics or Bot Physics Physics Physics
	IIR	fatin Botany Botany
	1	Greek or
		Trigonometry Trigonometry Trigonometry Trigonometry
	*	English   Late Late Lughsh
	Y IL	or Zoology or Biology or Biology or Biology
	IRST	Latin Mod. Lang Mod. Lang. or
	~	ireek or Latin
H.		Anal. Geometry Anal. Geometry Anal. Geometry Anal. Geometry
X	×	English English English English
SOPHOMORI, YEAR.	D TERM.	Gen'l Chemistry Gen'l Chemistry Gen'l Chemistry or Zoology or Biology or Biology
HOM	ECOND	Latin Mod. Lang Mod. Lang. or Latin Latin
SOP	7	Greek or Mod, Lang.
		Anal. Geometry Anal. Geometry Anal. Geometry Anal. Geometry
	7	English English English English
	一点	Gen'l Chemistry Gen'l Chemistry Gen'l Chemistry or Zoology or Biology or Biology
	THIRD	Latin
,		Greek or Mod, Lang.

## COURSES OF STUDY--Continued.

NORMAL	SCIENTIFIC COURSE.	CIVIL ENGIN, COURSE.	MIN. ENGIN. COURSE.	COURSE,
Alzebra	Algebra	Algebra	Algebra	Algebra
English	English	English	English	Linglish
Phys. Geog	Phys. Geog	Phys. Geog	Phys. Geog	Phys Geog
I.atın	Mod. Lang	M. 1. Lanz	Mod, Lang	Mod Lang
Pedagogies	Drawing	Drawing	Drawing,	Drawing
Geometry	Geometry	Geometry	Geometry	Geometry
	English			English
Physics	Physics	Physics	Physics	Physics
Latin	Mod, Lang	Mod. Lang	Mod. Lang	Mod. Lang
Pedagogies	Drawing	Draves.	Drawing	Drawing
Geometry	Geometry	to special	Geometry	Geometry
	English	English .		English
Physics	Physics		Physics	Physics ¶
Latin	"Mod. Lang		Potany.	Mod. Lang
	Botany			
Pedagogies				Drawing
., 0				
Frigonometry		Trigonometry		
English	•	Blow-Pipe		
	Gen'l, Chem			
	Mod. Lang			Mod. Lang
l'edagogics	Botany,	Ap. Math	Botany	B dany,
			Ap Math	Ap. Math
Anal, Geom.	And, Georg.	Anal, Geom	Anal, Geom	Aual. Geom
Zoology	.Zoology,	Gen'l, Chem	Lawry	Zeelogy
Gen'l. Chem .	Gen'l. Chem	Mod. Lang	Gen'l, Chem	Gen'l. Chem
Latin	°Mod, Lang	Anal, Chem.	Mod. Lang	Mod. Lang
Pedagogies	Anal, Chem	Ap, Math	Anal, Chem	Anal. Chem
			$\Delta p_{\pm} Math_{\pm},$	
Anal. Geom.	Anal. Geom	Anal, Geom	Anal, Geom	Anal Geom
Gen'l, Chem	Zoology		Zoology	
Latin		Mod. Lang	,	
Pedagogies	Anal, Chem	Anal, Chem		
	Anat, Chem	leville sessessions	Ap. Math	
	in may be substit	uted.		

## COURSES OF STUDY--Continued.

		CLASSICAL LATIN LETTERS MODERN LAN- COURSE, COURSE, GUAGE COURSE, COURSE.
		Anal, Geom Anal, Geom Anal, Geom
	33f.	Eng. Literature Eng. Literature Eng. Literature
	THE	Physiology Physiology Physiology
	FIRST TERM	Latin Mod. Lang English
	[24	Greek or
<u>د.</u>		Calculus Eng. Literature. Eng. Literature Lic. Literature.
JUNIOR YEAR	N.	Eng. Literature History History History
X Z	Ξ.	History, Logic Logic Logic
017	SECOND LEEM.	Logic Latin Mod. Lang 1 nelish.
TOF.	7.	Latin
	Na.	Greek or
		Calculus, Eng. Literature Eng. Literature Eng. Literature
	THEM.	Eng. Literature History History History History
		History Astronomy or Astronomy or Astronomy or
	THIEF	Latin
	-	Greek or    Mod. Lang
		Geology or
	TERM	Nat. Philosophy Polit. Econ Polit. Leon Polit. Leon
		Ment, Philos
	FIRST	Hist, of Civil Latin Latin Inc. 1 detailure.
œ		Geology or   Moral Philos   Moral Philos   Moral Philos
EA	TERM	Nat. Philosophy Int. Law Int. Law Int. Law
IR Y		Moral Philos Civil Polity Civil Polity Civil Polity
SENIOR YEAR	SECOND	Int, Law,
S		Philology Philology Philolog Philolog
	THIRD TERM.	Evidences of Evidences of Evidences of Christianity Christianity Christianity
	RD	
	THE	Const, of U.S., Const, of U.S., Const, of U.S., Const, of U.S.,

# COURSES OF STUDY .- Continued.

				-	
NORMAL COURSE.	SCIENTIFIC COURSE.		ENGIN. URSE.	MIN. ENG	
Anal. Geom	Anal. Geom	Anal. G	eom	Anal, Geom	Anal. Geom
Eng. Lateratore	Mineralogy	Mim ra	logy	Mineralogy	Mineralogy
Physiology	Physiology	Ap. Ma	th	Ap. Math	Physiology
Peda oz s	Anal, Cle ii	Amai. C	liein	Anal. Cheh	Stock Breeding.
Eng. Literature	Calculus	Calculu	S	Calculus	Machinery
Geology	Geology	Geology	· · · · · · · · · · · · · · · · · · ·	Geology	Geology,
History	Anal. Chem	Anal. C	hem	Anal Chen	Entomology
	Ap. Math			1	Agricultural Chemistry
Ped potes .				************	v v
Eng. Literature	Calculus				Anatomy
History	And, Crem. or b. Jozy				Anal. Chem
Astronomy or Geology		Ap. Ma		Ap. Math	Astronomy or Geology
tion					Book-keeping
School Law				************	
SCIENTIFIC COURSE,	CIV. ENG			ENGIN.	AGRICULTURAL COURSE
Nat. Phillis	Nat. Philos		Nat. Phile	×	Physics
Ind, Chem	'Ind. Chem		Ind. Chen	n	Ind. Chem
			Anal. Che	m	And Chem
Biology				*****	Agriculture
Nat. Philos	Nat. Philos		Nat. Philo	08	Physics
Ind. Chem	Ind. Chem		Ind. Chen	1	Ind. Chem
Anal Cham or					
	Ap Math		Anni Che	To	Anal. Chem
Riology					Anal. Chem
Riology			Ap, Math		
Nat. Philos			Ap. Matl.	08	Agriculture
Nat. Philos	Nat. Philos		Ap. Math. [Nat. Phile Ind Cher.	08,	AgricultureLandscape Garden
Nat. Philos	Nat. Philos		Ap. Math. [Nat. Phile Ind Clear. Anal. Ch	05 em	AgricultureLandscape Garden

# SCHEME OF RECITATIONS.

	F18-1 Hot (c	steers to need a	'ntich not k	тоскін поск.	приноск,	SINTH HOUR,
N N	Menta Phosophy.	Political From Soy	Natural Philosophy .	Physiolox	English Literature	Hist, of Civilization
TER	Jun. Ap. Matte.	Lin, Lat, and Grack	Um. Methemotics	Soph, Mod. I and	Fresh, I dim	Jun. Mod. Lanz
F	Soph Later	Mitheralogy in	Softi, Ap. Math	Soph Gook	Fresh Ap, Math	Soph, Math
FIR	Sign, It tany	voment Compistry	Rustout	iresh, In Ish ===		Phys. Geomaphy
	Jun. German	Fresh, Mathematics,	Fresh, Mod, Lang			
		1 French	Free! , telesk			
1	Mora Page splic	Laterate v. 11. w	Nato . Pen sphr	G 50,5	Ln lish Literature	Biology
7	Gereta, Hr Gry	Table I at a and Greek	Jun Mathematics	Soph, Wel, Lutz	bresh Latin.	Jun. Mod. Lang
=	bun, Ap. M. th =	menera Crimstry	Sopl Ap. Math	Sap Greek	Fre h. A <sub>1</sub> , Math	Soph, Math
-	Soph Latin	Epish Mathematics,	Rhetora	I reste Lit list		Fresh, Physics
-	1000025	Jan. Lietch	Fresh, Mol. 1 at.,	1. 20	***************************************	
	Jan Garman,		I restr. Erterk			
	Iv. funstanty.	Park of America	Jun, Murromatics	Crtaina	Lughsh Literature	Criticism
7	remetal History	In Lat. and Greek -	Sph Ap Mith	analy	Zoolo, y	Corep. Anatomy
Ĭ =	Tin Ap. Math	General Chemistry.	Rhetori	Jun Ast onomy	Fresh, Latin	Jun Mod, Lang
Lair	Soph, Latin	Tresh, Mathematics =	Fresh, Mod Lang	soph, Mod. Linz	Fresh, Ap. Math	Soph. Math
=	Fresh, Botany	Jun. French	Leesh, Greek	Saph, Greek	**********	Fresh, Physics
1	Inn German			Lush, English .	,	., .,

# COURSES OF INSTRUCTION.

## MENTAL AND MORAL SCIENCE.

GEN. D. H. HILL.

These studies, so admirably adapted to train the mind and cultivate the heart, belong to the President's department. The former explains the phenomena of the mind, and the best method of employing its faculties in reasoning aright. The latter, by subordinating all the mental powers to divine truth and an enlightened conscience, guards against the seductions of error and the allurements of passion.

#### TEXT-BOOKS.

Porter's Intellectual Science. Alexander's Evidences of Christianity.

Wayland's Moral Philosophy. Bowen's Logic.

Townsend's Civil Government. Perry's Political Economy.

In English Literature—Marsh, Trench and Shepherd.

NORMAL.
PROF. GATES.

The design of this department is to train teachers for the common schools of the State.

4 c.

Applicants must pass a satisfactory examination in the common English branches, in order to enter this department.

In addition to a thorough knowledge of the branches to be taught, the work comprehends:

- 1. Training in methods of imparting instruction in the branches to be taught.
- 2. Methods of leading pupils to think and investigate for themselves.
- 3. How to grade and organize the various kinds of schools.
  - 4. Government or discipline of schools.
  - 5. Duties of teachers as governed by School Law.

### ANCIENT LANGUAGES.

PROF. LEVERETT.

There are four classes in Latin and the same number in Greek. The mode of instruction is by translations from the text-books into English, and from English into Latin and Greek. The principles and idioms of the languages are carefully studied, with a view to a better acquaintance with the principles of the English speech.

Due prominence is given to Latin and Greek composition, and also to the Literature and History of Greece and Rome.

Candidates for admission to the Freshman class must come well drilled in Harkness' Grammar and Reader, Latin and Greek, or their equivalents, and must have read two books of Casar's Commentaries, and two books of Xenophon's Anabasis.

#### TEXT-BOOKS.

#### LATIN-FRESHMAN CLASS.

Ciesar-Third and Fourth Books, Eneid-Six Books, Cicero's Orations against Cataline.

Exercises in Writing Latin Composition.

#### SOPHOMORE CLASS.

Horace-Odes, Epodes, and Selections from Satires and Epistles.

#### JUNIOR CLASS.

Livy-Three Books. Tacitus-Germania, Agricola and Annals. Juvenal's Satires.

#### SENIOR CLASS.

Selections from Cicero's Works,

Pliny's Letters.

#### Critical Essays.

#### GREEK-FRESHMAN CLASS.

Xenophon's Anabasis (completed).

Harkness' Greek Composition.

Exercises in Writing Greek.

#### SOPHOMORE CLASS.

Homer (selections from Iliad).

Herodotus (selections),

Exercises in Writing Greek.

#### JUNIOR CLASS.

Demosthenes (public orations).

Aristophanes.

Selections from the Lyric Poets,

Books of Reference: Liddel's Rome, Brown's Roman Literature, Smith's History of Greece, Appleton's Classical Atlas.

### MODERN LANGUAGES.

PROF. EDMISTON.

The languages taught in this school are the French and the German. The full course in each occupies three years. The course for the first two years is complete in itself, and is designed to impart to the student such a familiarity with the idioms and vocabularies of the two languages as will enable him to read ordinary prose at sight. The third year is devoted to the literary and historical study of the two languages. Throughout the course much attention is given to translations from the English, both oral and written.

The full course in both languages is required for the degree of Bachelor of Letters, and, as substitute for Greek, for the degree of Bachelor of Arts. For the English, Scientific and Engineering degrees only a partial course is required, the student having the option of the full course in German with no French, or the full course in French with one year of German, or two years of each.

The authors selected for class use will vary somewhat from year to year. In the third, or Junior year a course of private reading will be prescribed.

#### TEXT-BOOKS.

#### FRENCH.

First Year-Joynes-Otto Lessons and Reader.

Second Year-Joynes-Otto Lessons; Prose Authors; Musson's or Gase's Dictionary.

Third Year-Borel's Grammaire Francaise; Brachet's Historical Grammar; Classic and Modern Authors; Pylodet's Literature Classique; Gase's Dictionary.

#### GERMAN,

First Year—Ahn's Method; Sheldon's Grammar; Buchheim's Reader; Boisen's German Prose.

Second Year-Sheldon's and Whitney's Grammars; Easy Prose; Schiller's Maria Stuart; Whitney's or Adler's Dictionary.

Third Year--Whitney's Grammar; Classic and Molern Authors; Adler's Dictionary,

# ENGLISH AND HISTORY. MISS HARRIS.

#### ENGLISH.

One year's study of English is required of all students.

Text-Books-Abbott's How to Write Clearly; Rhetoric.

By applicants for literary degrees the study of English is continued for two years, including Rhetoric with composition and criticism, a careful study of representative English works, and a general view of English Literature.

Text-Books—Rhetoric; Shaw's or Arnold's English Literature; Morris's Chaucer; Spenser More's Utipus Arber's reprint Stakesboare Metron-Arcopa itie. Arber's reprint), Paradise Lost; Hudson's Text-book of Prose.

The following plays have been selected for the study of Shakespeare in 1883-84:

Midsummer Night's Dream, Richard II, Henry IV, Richard III, Merchant of Venice, As You Like It, Twelfth Night, Hamlet, Othello, Macbeth, Tempest. Editions recommended: Hudson's, Roife's, The Oxford.

Students should have editions of Pope, Young and Tennyson.

Applicants for the English degree take special work in Early English and in the Science of Language.

Text-Books-Marsh and Max Muller.

One year's class work, with individual training throughout the course, is given in Elocution.

#### HISTORY.

General History and History of Civilization are requisite for all literary degrees.

Text-Books-Freeman and Guizot, Lecture:

#### PURE MATHEMATICS.

PROF. GRAY.

The course of study for the various degrees is completed in the third term of the Junior year, and embraces Algebra, Geometry, Trigonometry, Analytical Geometry and Calculus.

#### ALGEBRA

(taught by the use of text and reference books and frequent lectures) is confined to the first term of the Freshman year, and embraces the elementary principles; equations, simple and quadratic; ratio, proportion, progression, inequation and differentiation; intermediate coefficients; trinomial theorem in development of functions; logarithms; indeterminate analysis; Sturm's theorem and Horner's method of solving higher equations.

#### GEOMETRY

(taught by the same methods as mentioned for Algebra) is confined to the second and third terms of the Freshman year, and embraces the treatment of straight lines, angles and polygons: proportion, with its application to geometrical investigation; the circle and the theorems dependent upon its properties; proportions and measurement of polygons and circles; intersections and relative positions of planes; solid and spherical geometry, and under the subjects, a variety of original and practical problems for class work.

#### TRIGONOMETRY

(taught by the use of approved text-books and familiar

lectures) is confined to the first term of the Sophomore year, and embraces general propositions in Plane Trigonometry; equations for sines, cosines, etc.; the use of logarithms; oblique and right-angled triangles and their projection; Napier's Circular Parts and Analogies; and in order to fix the principles of Trigonometry in the mind, applications are made to surveying and navigation during the second term of the Sophomore year—

### TO SURVEYING,

in the theory, adjustment and use of instruments; rectangular surveying, as practiced on government surveys; area of land; finding section corners; retracing old lines; topographical and railroad surveying; field practice, with compass, chain, level and rod:—

### TO NAVIGATION,

by problems in plane sailing; differences in latitude and longitude; Mercator's sailing; computing meridional parts; sailing in currents.

#### ANALYTICAL GEOMETRY

is taught by lectures and use of text-books, and is confined to two terms, and embraces the Cartesian method of co-ordinates, construction of equations, transformation of co-ordinates, and properties of the Conic sections.

#### CALCULUS

is taught by the use of text-books and familiar lectures. This study embraces Differential Calculus applied to the differentiation of algebraic, exponential, logarithmic, trigonometrical and circular function: successive differentiations: differential co-efficients; implicit and

compound functions; Maclaurin's formula; Taylor's formula; evolutions of indeterminate expressions; maxima and minima of functions of one variable; in finding tangents and normals to plane curves; to determine convexity and concavity; tracing curves; finding the differential co-efficient of arcs and areas; orders of contact; evolutes and involutes, and this study includes

## INTEGRAL CALCULUS,

so far that the student may obtain a fair knowledge of the "33" simple forms of integration.

#### TEXT-BOOKS.

Robinson's University Algebra. Loomis' Analytical Geometry and Calculus, Schuyler's Geometry, Trigonometry, Surveying and Navigation.

### APPLIED MATHEMATICS.

PROF. LANE.

For students wishing to pursue the Engineering Course, a course of special training in English, French, German, elementary mathematics and drawing has been provided, embracing the first year in the Collegiate Department.

The school of Applied Mathematics is designed as the basis of the course in Civil Engineering and Mining Engineering. The work proper begins with the first term of the second or Sophomore year, and embraces a three years' course in the application of Pure Mathematics to the solution of such problems as are constantly presented to the practical engineer.

The course is divided as follows:

#### GEODESY.

In this branch are discussed the different methods of surveying and dividing land, whether in large or small tracts, leveling, topographical surveying, general theory and use of field instruments. Students are required to make plats and calculations from data determined by themselves in the field. Higher Geodesy and the projection of maps will be taught in the second term of the third year.

### PARALLEL PROJECTIONS.

This subject is here extended to more complex problems than are required in Pure Mathematics. Each of the systems, orthogonal, axonometric and oblique, are discussed, and students construct the projections of various objects presented.

# (c) CENTRAL PROJECTIONS.\*

Under this head the principles of linear perspective are fully considered, and students construct the perspective of various objects, both simple and regular in form.

# ROADS, RAILWAYS, TUNNELS AND CANALS.

The principles of the construction of each of these are fully presented, and, as far as practicable, students are required to apply for themselves these principles in the field, in laying out and staking curves; computing various cuts and fills, etc.

#### MECHANICS.

Such a course in Theoretical Mechanics is given as

Subjects marked |C| are only required in the course of Civil Engineering; those not otherwise designated are studied in each course.

is necessary to a proper comprehension of those subjects dependent on it.

### STRENGTH OF MATERIALS.

In this branch the power of resistance of different materials and the calculation of the various strains to which they are subjected are taught, and the student is required to apply his knowledge by the solution of a number of problems relating to the stability of different structures.

# (c) Arches, Bridges, Roofs.\*

The general principle of the arch and its modifications are given, together with the calculations of its strength. The various kinds of bridges are discussed. Particular attention is paid to the forms of truss used in the construction of roofs. Students make the drawings for different constructions, and calculate the stability required in the various parts.

# (C) ARCHITECTURE.

This subject is devoted to the consideration of the different ancient orders and their modifications, with a brief history of the same. Special attention is given to the modern style of public and private buildings. Plans, elevations and perspective drawings of various kinds of buildings are made by students.

#### MACHINES AND MACHINERY.

This subject embraces the gearing of machinery, study of various machines in detail, construction of mill-work, and a course in design.

Subjects marked ( are only required in the course in Civil Engineering.

#### TRANSMISSION OF POWER.

This subject has especial reference to the use of wire ropes and of compressed air, as in powder-mills, tunneling, etc.

#### ENGINES.

The student has his attention drawn to the mechanism, working and use of various kinds of steam and gas-engines, locomotives, etc.

### HYDRAULIC ENGINEERING.

In this branch of the course are taught the methods of collecting, conveying and distributing water for city supplies and manufacturing purposes, construction of reservoirs and sewers; theory of river and coast improvements, and theory of hydraulic motors.

# (M) MINING.\*

Here are studied the various operations of sinking vertical and inclined shafts, and driving tunnels; the means of ventilating mines—the machinery used; and the estimation of costs in working a mine.

# (M) UNDERGROUND SURVEYING.

Under this head are taught the methods of laying out work underground, and the construction of lines of communication beneath the surface.

# (M) UNDERGROUND STRUCTURES.

In this subject the attention of the student is called to the constructions that are necessary in mining, and, as far as possible, an idea is given him of the circum-

Subjects marked M are only required in the course of Mining Engineering.

stances on which these will depend, and the best means of securing stable structures in any given case.

#### DRAWING.

In this course the use of drafting instruments is taught, and the student is gradually led from the representation of simple objects to those more complex in form. Students in the course of Civil Engineering pursue this course throughout the entire three years: for those in Mining Engineering the subject is not carried to the same extent. But in both cases it is as far as possible made parallel with the above mentioned branches. Each student is required to execute for himself such drawings as serve to impress the principles taught under the different subjects.

A commodious drawing-room has been fitted up with the most approved style of furniture. But each student has to provide himself with suitable drafting instruments. The cost of such a set will be about fifteen dollars,

#### FIELD WORK.

The Engineering Department is furnished with surveyor's and engineer's field instruments of the best construction. These are taken separately and explained to the class. Students are required to apply their knowledge to the making of actual surveys, laying out and staking curves, running levels, calculating cuts, fills, etc.

The work, like the course in drawing, is more limited for the students in Mining Engineering, but for those in Civil Engineering, it extends through the entire course. Students in each class are required to show skill and ability for the performance of the field operations of their profession.

A general comprehensive idea of the course is given through some standard work, followed by a detailed study of its most important subjects by the use of special text-books.

The Library is well supplied with books for reference. Additions will be given in the form of notes, when deemed necessary.

### PHYSICS AND CHEMISTRY.

PROF. CONRAD.

#### PHYSICS.

This department embraces Physics proper and Astronomy.

Physics.—The Freshman Class studies Elementary Physics during the last two terms. The course embraces the groundwork of future scientific study, and gives correct ideas on common phenomena in every day life. Additional apparatus has been purchased, and the subjects will be fully illustrated.

Test-Books--Wells' (new edition); Notes and Problems.

The Senior Class studies Advanced Physics during two terms.

Text-Book-Ganot's Physics.

ASTRONOMY.—The Junior Class studies Descriptive Astronomy during the third term.

Text-Book-Newcomb & Holden.

The Senior Class studies Spherical and Physical Astronomy during two terms. Study of constellations during third term optional. Recent additions of charts, photographs, globe and astral lantern will add to the interest of this study. A small telescope will be brought to the aid of the student.

Text-Books-Newcomb & Holden. Reference-Norton.

#### CHEMISTRY.

This department is divided as follows:

#### GENERAL CHEMISTRY.

This course is studied by the Sophomore Class during the entire year. The first term is devoted to Chemical Physics, embracing the application of the Metric System, Specific Gravity, Analytical Balance, the principles of Osmose and Diffusion, and the laws of Heat, Light and Electricity, in their bearing upon the future studies in Chemistry.

Text-Books-Pynchon; Notes and Problems. Reference-Miller, Cooke.

The study of Chemistry begins with the second term. The aim in this class is to secure, first of all, a thorough understanding of the principles of Chemical Philosophy. Much attention is given to the solution of problems, illustrating chemical combination by weight and by volume, and the use of chemical symbols. In the treatment of the non-metallic and metallic elements, and in the presentation of the main facts and principles of Organic Chemistry, it is the design to show the principles of Modern Chemical Theory, as well as to bring out such facts, and their application in the arts and manufactures, as are of common interest. The Lecture

room has been well fitted up, and supplied with ample facilities for class illustration.

For-Locks Roscoe, Notes and Problems, Reference-Barker, Cooke, Wurtz, Fownes, Miller.

#### ANALYTICAL CHEMISTRY.

This study may be taken up by all students. It embraces Blowpipe Work and Determinative Mineralogy, Qualitative Analysis, Assaving and Metallurgy. student is taught the use of the blowpipe and the mode of detecting simple substances; ample practice in this and other forms of chemical manipulations being given. A systematic course of Qualitative Analysis is then taken up, and having learned the more important chemical substances, the student is required to analyze and report upon substances given him, including mixtures of salts, ores, and other compounds. Quantitative Analysis is at first confined to known substances; when confidence and accuracy have been acquired, the student is given, in progressive series, more difficult substances, as ores, minerals, manures, soils, mineral waters, technical products, etc. Determinative Mineralogy is studied by the aid of the blowpipe during the first term of the Junior year. A course of fire assaying, adapted to the grade of each class, is pursued wanth. Empired attention will be

session, he will be credited with such articles as may be returned in good order; the cost of materials used and the value of articles injured or destroyed will be deducted from the deposit.

The Proof of Andauer, Brush, Clowe's, Presentus, Ricketts, Mitchell, Phillips, Crook & Robrig's Metallurgy.

#### AGRICULTURAL CHEMISTRY.

A course of lectures will be delivered, embracing a discussion of the physical and chemical properties of soils, and the chemistry of vegetable life and growth, of composting, of such farm operations as plowing, fallowing, drainage, etc.

 ${\it Text-Books-} S.\ W\ Johnson,\ J.\ F.\ W.\ Johnson,\ Liebig.\ \ For\ \ Agricultural\ Chemical\ Analysis-Church and\ Caldwell.$ 

#### INDUSTRIAL CHEMISTRY

This work, which is taken up in the Senior year, embraces a discussion in detail of the processes and chemical principles involved in the application of Chemistry in the more important arts and manufactures, in the reduction of ores, the preparation of material for food and drink, for clothing, shelter, heating, illumination, cleansing, writing, printing, etc.

 ${\it Text-Books-} \\ {\it Wagner's Chemical Technology.} \ {\it Reference-Watt, Ure, Muspratt, Appleton's Dictionary.}$ 

# BIOLOGY AND GEOLOGY.

PROF. HARVEY.

#### GENERAL BOTANY

begins with the Spring term of the Freshman year, and is continued through the first term of the Sophomore year.

The first term is devoted to a consideration of the structure and uses of the organs of plants, together with analysis, classification and study of the easier orders of flowering plants.

To pass the subject, students will do laboratory work, and prepare one hundred specimens for an herbarium. In those courses where Botany is studied but one term, a collection of only fifty species will be required.

The second term is devoted to a study of the Compositie, Gramineie, Cyperaceie, and other difficult orders, together with a course in Cryptogamic and Economic Botany.

#### CRYPTOGAMIC BOTANY

umbraces a consideration of the characters of equisetums, terns, mosses, liverworts, ground-pines, fungi, lichens and algae.

The ferns of the State are classified. The economic value of fungi and lichens is considered, also the prominent forms of injurious fungi.

#### ECONOMIC BOTANY

embraces a consideration of the uses of plants in the 6 c.

economy of nature and to man. It is considered under the divisions: fibre, food, forage, medicinal and ornamental plants; plants yielding dyes, gums, spices, narcotics, etc.

#### BOTANICAL TEXT AND REFERENCE BOOKS.

Gray's Manual and Lessons, Wood's Botany. Gray's Structural Botuny.
Sach's Text-Book. Various Catalogues and Government Reports.

United States Dispensatory. Gray's Genera Illustrata.

Terry & Gray's Flora of North America.

Bessey's Botany. Gray's Flora of North America. Chapman's Southern Flora.

LeMaout & Decaisne's Descriptive and Analytical Botany.

#### COMPARATIVE ZOOLOGY.

This subject occupies the second and third terms of the Sophomore year; embraces morphology, physiology, classification, distribution in time and space, habits and uses of the prominent forms of life. The subject is illustrated by specimens and the use of a compound microscope.



#### PHYSIOLOGY.

Advanced Physiology is considered during the first term of the Junior year. It will embrace Human Anatomy, Physiology and Hygiene.

#### COMPARATIVE ANATOMY

occupies the third term of the Junior year, and embraces a comparison of the muscular, osseous, nervous, digestive, circulatory and respiratory systems in man, with those of the lower animals.

# ADVANCED BIOLOGY

is pursued as indicated in the courses of study and embraces laboratory work and classification.

#### REFERENCE AND TEXT-BOOKS IN ZOOLOGY.

Flint and Dalton's Works on Physiology.

Orton's and Nicholson's Works on Comparative Zoology.

Owen's Physiology and Anatomy of Vertebrates.

Carpenter's Principles of Comparative Zoology.

Darwin's Works.

Tenny's Manual of Zoology.

Flint's Insects Injurious to Vegetation.

Chauveau's Comparative Anatomy.

(Entozoa, Cobbold.)

Wallace's Distribution of Animals.

Carpenter's Principles of Comparative Zoology.

Packard's Guide to the Study of Insects.

Various Government Reports.

Gordon's Manual of Vertebrates,

(Veterinary Surgery, Williams.)

Packard's Manual of Zoology.

#### COURSE IN GEOLOGY AND MINERALOGY

begins in the Freshman year with *Physical Geography*, when the general surface features of the earth are considered.

#### MINERALOGY AND LITHOLOGICAL ZOOLOGY

occupy the first term of the Junior year, and consider rock masses and mineral species. The work is impressed by cabinet specimens and blow-pipe analysis. State minerals receive special consideration.

#### DYNAMICAL AND HISTORICAL GEOLOGY

occupy the second and third terms of the Junior year, and embrace a study of the forces that have and are still modifying the features of the earth; together with a consideration of the principles upon which geologists divide the strata of the earth into ages, periods, etc.

#### ECONOMIC GEOLOGY

embraces methods of conducting surveys, relation of mineral deposits in geological formation, selection of building materials, etc.

Students, who take the full course in Geology, are required to classify fossils, do field work, and claborate their observations.

#### TEXT-BOOKS.

Dana's Text-Books and Manuals. LeConte's Geology. Lyell's Principles. Cornell, Guyot and Warren's Physical Geographies.

Geological Surveys of many of the States.

Also Government Reports.

#### SPECIAL WORK.

Students will be permitted to study any of the sciences above mentioned as *Special Work*, without applying for a degree—providing they are qualified.

Facilities will be afforded in Botany, Zoology, Physiology and Anatomy to such as wish to pursue a course of study looking to the medical profession.

A course in Botany and the use of Dispensatories will be given to any who desire to lay a foundation for the druggist's business.

Students taking regular courses, when they have time, by the permission of the Faculty will be allowed to take special work.

A certificate showing the amount of special work done will be granted when desired.

# MILITARY DEPARTMENT.

#### PROF. GRAY.

Instruction in this department is designed to impart to each mate student, not physically incapacitated to bear arms, practical instruction in the school of the soldier, of the company, and the battalion; the duties of guards, outposts and pickets.

The drills occur not over three times a week, and being

short, involve no hardship, while it is manifest that they afford a good health-giving exercise, and aid in the development of physique and manly carriage of the cadet. The entire body of male students is divided into companies, which are officered by cadets, selected for proficiency in drill, good deportment and scholarship. The cadet officers are regarded as assistants in the enforcement of discipline, and their orders, while on duty, are considered as duly authorized, and must be obeyed accordingly.

Cadet officers are expected and required to set examples of military deportment and general good conduct.

A neat suit of eadet gray, with brass buttons and black trimmings, will be required to be worn by all males.

# The following is the description:

COAT—I all Dress: Frock, of e elet material, single-breasted: nine buttons in front, four buttons on skirt in rear, three small buttons on each cult. The skirt to extend from one-half to three fizirths the distance from the hip-joint to the bend of the knee. Coat to be piped with black; stanling eddar, not less than one nor more than two unches in width, of black cloth, cut's pure to block close in front. Skirt of coat on each side of spring behind to be faced with black cloth; two bands of black cloth, one-half inch in width and one inch apart, one cold sleeve, two and one-half inches from the end.

BLOUSE - For Squad and Company Drill, and other duty when authorized by proper authority, and for ordinary wear. A sack coat of a good article cadet gray, falling collar, single breasted, with five buttons in front, and three on each cuff; the skirt to extend from one-third to two-thirds of the distance from the hip-joint to the bend of the knee; no outside pockets; piped with black.

PANTALOONS -To be cadet gray, same material as coat, with stripe of black cloth one inch wide down outside seam.

FORAGL CAP-Dark blue cloth, a sorting to pattern, with initials "A. I. U." surrounded by wreath, all in silver.

# Cadets acting as officers and non-commissioned officers shall be designated by the following badges:

CAPTAIN-Chevrons of four bars of black coth one-half inch in width, on each arm above the elbow, point up.

LIEUTENANT - Chevrons of three burs, same material and pattern, point up.

ADJUTANT-The Lieutenant's chevron with an arch.

QUARTERMASTER-The Lieutenant's chevron with a horizontal bar.

SERGEANT Chevrons of two bars, same material and pattern, point down.

FIRST SERGEANT-Sergeant's chevron, with a lozenge.

COLOR SERGEANT-Sergeant's chevron, with a star.

CORPORAL-Chevrons of one bar, same material and pattern.

COLOR CORPORAL-In addition to Corporal's chevrons, will wear upon both sleeves a star of black cloth, two inches in diameter.

Such uniform can be obtained in Fayetteville, and will be found more healthful and cheaper than ordinary clothing.

#### ROSTER OF BATALION A. I. U. CADETS.

Col. O. C. GRAY, COMMANDANT.

#### STAFF OFFICERS.

C. O. BATES, First Lieutenant and Adjutant.

L. S. ANDERSON, Second Lieutenant and Acting Quartermaster.

W. H. DUNCAN, Second Lieutenant and Ensign

W. P. GOODWIN, Sergeant-Major.

C. D. WOOLVERTON, Ordnance Sergeant.

#### LINE OFFICERS.

"A" COMPANY.

W. W. ENGLAND, Captain.

J. L. TAFF, First Lieutenant.

E. W. HILLIS, Second Lieutenant.

E. B. KINSWORTHY, First Sergeant,

H. D. WILKINSON, Second Sergeant.

F. P. LEVERETT, Third Sergeant,

A. M. SMITH, Fourth Sergeant.

J. T. DIAL, Fifth Sergeant.

#### "B" COMPANY.

J. F. MAYES, Captain.

G. W. M. REED, First Lieutenant,

W. L. EDMISTON, Second Licutenant.

J.W. HOWELL, First Sergeant.

J. H. TAFF, Second Sergeant.

W. H. COWAN, Third Sergeant.

B. J. TILLAR, Fourth Sergeant.

W. R. SAMPLE, Fifth Sergeant.

#### A. I. U. CORNET BAND.

First Lieutenant H. STROUP, Leader.

Second Lieutenant C. D. GREAVES, Second E. Flat.

Sergeant J. H. BATES, First B. Flat.

Sergeant D. C. DUPUY, Second B. Flat.

Sergeant D. A. GATES, First Alto.

Sergeant E. A. NEALY, Second Alto.

Sergeant J. L. THOMPSON, First Tenor.

Sergeant E. P. NOTREBE, Second Tenor.

Sergeant W. H. WOODALL, Baritone.

Sergeant T. A. ROSS, Tuba.

Sergeant J. L. REED, Tenor Drum.

Sergeant W. L. THOMPSON, Bass Drum.

#### ART DEPARTMENT.

#### MISS NETTIE BEDINGER.

The Board has made a very liberal provision for this department, furnishing all the casts necessary.

#### GENERAL INFORMATION.

Students will work from easts and from still life, in crayon and India ink.

Pupils will be required to give much attention to outlining in charcoal from the cast.

Instruction will be given in oil and water colors to students, after having reached a certain grade of excellency in drawing.

All work must be left in charge of the teacher; or if removed by special permission, must be returned before the close of the school year, for public exhibition.

#### TERMS.

Tuition, per	month	\$3.00
Half-time pu	apils, per month	1.50

Full-time pupils will be allowed three school hours per diem, half-time pupils one hour.

#### DEPARTMENT OF MUSIC.

PROF. ----

#### PIANO-FORTE.

This course of instruction comprises four years. In case of close attention and extraordinary ability on the part of the pupil, the required standard may be reached in less time.

#### FIRST YEAR.

The first year will be chiefly devoted to the study of the first principles of Music. five-finger exercise, practice of the Seales and such intellectual studies as will prepare the student for the lighter compositions of Clementi, Kuhlau, Mozart, etc.

#### SECOND YEAR.

Practice of the Scales, arpaggios, and studies of Czerny, Moschelles, Clementi, etc., and the easier compositions of Mozart, Clementi, Beethoven, etc.

#### THIRD YEAR.

Practice of the Scale, development of the trill, wrist practice, advance studies of Czerny, Heller, and compositions by Leybach, Fesca, Chopin, Hayden, Beethoven, and others,

#### FOURTH YEAR.

Studies of Cramer, Rubenstein, etc., and compositions by Thalberg, Liszt, Hummel, Beethoven, etc.

Great care will be taken to develop a taste in the pupil for the purest and noblest order of Music.

#### VOICE CULTURE.

Development of a pure tone. Studies designed to render the voice flexible. Studies on expression, breathing, pronunciation, etc. Etudes by Lutgen, Rossini, Marchesi, Concone, Bordogni.

#### VIOLIN.

#### TIRST YEAR.

Practice of bowing, finger exercises, Manzas' Instructor

#### SECOND YEAR.

Etudes of Dancla and instructive arrangements from the Operas

#### THIRD YEAR.

Kaiser's Etudes, Sonatas by Hayden, Schubert, etc.

#### FOURTH YEAR.

Krautzer's Etudes, compositions by De Beriot, Kreutzer, etc.

#### TERMS.

#### TWO LESSONS PER WEEK.

Piano-Forte, primary pupils	00	per	term.
			term.
	75	per	term.
·	5 00	per	term.
	50	per	term.
	5 00	per	term.
	00	per	term'
Violin, class of four, each	75	per	term.
	00	per	term.
Violin, class of two, each	50	per	term.
Violin, private le sons 18	00	per	term.
Use of Piano, one hour per day	50	per	term.

One half of tuition must be paid in advance, balance at the end of term.

No deductions will be made on account of absence from recitations, except in cases of prolonged sickness; then the loss will be shared equally between student and teacher.

Certificates of proficiency will be given.

No charge is made to the student for the following work:

The Preparatory Department will receive instruction in Vocal Music once a week.

Collegiates, vocal instruction once a week.

Advanced pupils in music, harmony once a week.

The Comon has Secrety, composed of maintens advanced in vocal nature, has wrill in chorus singing twice a week.

Orchestra meets for practice twice a week.

# PREPARATORY DEPARTMENT.

Students are not admitted into this department until they have become thoroughly familiar with the fundamental principles of Arithmetic, viz: Addition, Subtraction, Multiplication and Division, and also of Common and Decimal Fractions. In reading, they must be able to understand and intelligently render specimens of the grade of the Fourth Reader; must have a knowledge of Primary English Grammar, Primary Geography, the rudiments of Penmanship, and the spelling of ordinary words of the grade of the Fourth Reader. These qualifications are the test of admission at the beginning of the session; those applying later will be admitted only on the grade of the class.

In reading, the aim will be, first, to develop in the student a full, complete and definite idea of the meaning of the sentence; second, to obtain from the student a natural, easy and graceful expression of the entire thought, as embraced in the sentence.

Spelling will be required of students throughout the entire course, and an endeavor made to secure the correct use of letters and other marks in the formation of every word used.

English Grammar will be taught by requiring the students to form sentences of their own, as well as to analyze those of others. Thus Grammar and Composition will go hand in hand. The student will gradually be led from the simplest constructions to those the most difficult and abstruse. The instructions of the C class will be oral, but as the comprehension of the student enables him to use books to advantage, they will be placed in his hands.

In Arithmetic, processes precede principles, and the object will be to obtain, first, a full understanding of methods, then accuracy in work, and finally, rapidity. Much parallel work is given. Each recitation will be conducted both orally and in writing. Arithmetic is completed in the A year.

In Algebra, students are required to master everything to equations of the second degree.

Oral Geography will begin in the C class, with mapdrawing and familiar lessons concerning known localities, and as the comprehension of the student enables him to use text-books to advantage, they will be placed in his hands. Map-drawing will be continued until the course is finished. Drawing will be taught regularly only as applied to mathematics and sciences.

The course in Latin includes a thorough mastery of the 1st and 2nd books of Caesar's Commentaries, as well as the principles of the grammar.

The Greek year is devoted to a mastery of inflections and elementary construction. Students are exercised by frequent translations from English into Greek and Latin.

#### TEXT-BOOKS.

Reading—Appleton. Penmanship—Spencerian.
English Grammar, Arithmetic—Ray; Davies' University.
Geography—Mitchell. Algebra—Peck.
English Composition—Hart. U.S. History—Ridpath.

English Composition—Hart. U. S. History—Ridpath.

Latin. Greek,
Patterson's Analyzer. American Speller,

# COURSE OF STUDY.

#### C CLASS.

Reading and Spelling.

Grammar, Oral and Spelling.

Penmanship.

Arithmetic.

Geography, Oral and Map-Drawing.

#### B CLASS.

Reading and Spelling Penmanship.

Grammar and Spelling,

Arithmetic,

Geography...

#### A CLASS.

CLASSICAL.

Arithmetic (completed).

Latin.

English Grammar. Reading and Spelling.

Penmanship,

ENGLISH, Arithmetic (completed). English Grammar,

English Grammar, Geography, U. S. History,

Reading and Spelling.

Penmanship,

#### SUB TRUSHMAN.

CLASSICAL.

Algebra. Latin,

Greek.

Reading and Spelling.

Penmanship.

ENGLISH.

Algebra. English.

U.S. History.

Reading and Spelling.

Penmanship.

SCIENTIFIC,

Algebra

Lo. lish. U. S. History.

Reading and Snelling

Drawing.

NORMAL.

Algebra.

English..

U. S. History, Reading and Spelling.

Penmanship. Latin.

Policopic

# GENERAL INFORMATION.

This institution was established in accordance with an Act of Congress, making a grant of land for its benefit, and in accordance with an Act of the General Assembly of this State, carrying out the object of said grant.

#### AIMS OF THE UNIVERSITY.

The aim of the University is to comply strictly with the Acts of Congress and the Acts of the General Assembly of this State, providing for and establishing it; and in order to this end the University is "to teach such branches of learning as are related to agriculture and the mechanic arts, without excluding other scientific and classical studies, and including military tactics."

#### LOCATION.

The Arkansas Industrial University is located within the corporate limits of the town of Fayetteville, Washington county. The location is thought to be unsurpassed by any other locality in the State, in salubrity of climate, beauty of surrounding scenery, fertility of soil, variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

#### PROPERTY.

The property of the University consists of the proceeds of the munificent grant of land by Congress, the bonds of Washington county, and the town of Fayetteville, the appropriations made by the State, and the University farm and lands—amounting in all to \$300, 7000 in value.

The bonds of the county of Washington, \$100,000, and of the town of Fayetteville, \$30,000, payable thirty years from date, with interest at the rate of eight percent, per annum, have, by action of the Board of Trustees, become a portion of the permanent endowment of the University, and will be scrupulously held for that purpose.

#### ACCESSIBILITY.

Students may reach Fayetteville from both the north and the south by daily trains on the Arkansas branch of the St. Louis and San Francisco Railroad, which now connects on the south with the Little Rock and Fort Smith Railroad at Van Buren.

Students on arriving at Fayetteville must report at once to the President of the University. No student will be allowed to recite in any class until properly enrolled, but will be held responsible for his conduct from the time of his arrival in Fayetteville.

#### TERMS.

The Scholastic year of the University consists of two terms of thirteen weeks and one term of fourteen weeks. There is no vacation between terms.

#### CALENDAR.

The terms commence and end as indicated by the following:

CALENDAR FOR THE SCHOLASTIC YEAR 1883-84.

The Autumn Term will commence on the 3d of September, 1883, and close November 30th, 1883.

The Winter Term will commence December 3d, and close March 7th, 1884.

The Spring Term will commence March 10th, 1884, and close June 12th, 1884.

#### HOLIDAYS.

During the Winter Term there will be a recess extending from the Friday before Christmas Day until the Monday following New Year's Day. The only other holiday allowed is Thanksgiving Day.

#### DEMERIT AND GRADING SYSTEM.

By any violation of university law, or any neglect of duty the student will incur a number of demerits proportional to the gravity of the offense. The penalty for incurring 200 of these demerits is, in the Collegiate Department, dismissal; in the Preparatory Department, suspension until the end of the current session, which suspension may, on recommendation of the Faculty, be extended by the Board of Trustees.

Every recitation of each student is marked according to its merits, using 100 as the maximum, and the average of all these marks is compounded with the examination and conduct marks, so as to determine the general or final average, and in making up the averages, each study counts in proportion to the number of reci-

tations for the week, while conduct counts with the study taken the greatest number of times per week.

Each demerit received for the term takes off one-half of one from the deportment mark, thus, if a student have ten demerits, his deportment mark will be 95, which counts as a study mark.

The first man in each class of the Collegiate Department is indicated in the catalogue by the number 1, and the second by number 2, etc., etc.

#### DEPORTMENT.

The Faculty may refuse to receive any applicant for admission into the University, until he can prove a good moral character, and whenever they are satisfied that the longer continuance of any student in the University is not beneficial to himself, or is injurious to his fellow students (even though he be guilty of no gross violation of the college law), they may write his parents or guardian to withdraw him, and may proceed to dismiss him should the request not be complied with.

The strictest attention to study and most exact punctuality in attendance on recitations and all other duties are made the conditions of every student's continuance at the University.

#### DISCIPLINE.

Discipline, to be effective, must be uniform, just, impartial, and it is the aim of the Faculty in the government of the University to secure, as far as possible; this result.

To relieve the Faculty from the odium of espionage upon the students, the element of self-government has been introduced into the University. By the adoption of a monitorial system as an adjunct to the military, the discipline of the Institution is placed largely in the hands of the students themselves.

The officers detailed for duty, have, with rare exceptions, proved efficient and faithful, showing neither fear nor favor. The obedience of the great mass of students, to the authority of their fellows acting in official capacity, has been cordial and sincere, the only trouble having been with ill-trained youth, who had never at home been taught to respect their parents and themselves. In fact, the idle and disobedient at home, are idle and disobedient at school: while those who are comforts to their parents, are comforts to their teachers also. Insubordination in College is a necessary sequence of defective family government.

#### RESTLESSNESS.

The greatest obstacle to-day, in the way of successful educational work, is the restlessness and lack of persevering pluck in American youth. We find that the vast majority of our students do not come to the University with any thought of remaining until graduation, and many think they have accomplished wonders by remaining a single term of three months. Those who exhibit such a deplorable lack of pertinacity in youth, can scarcely be expected to succeed in after life. They will succumb under the first serious difficulty. Parents who yield to the importunities of their children to quit school, because of some discouragement, do thereby foster in them a weakness which must be fatal to all vigorous manhood and healthful development. We hope that the students

who come up in September, will come with the determination to let no slight impediment turn them back from the path that leads to knowledge, honor and usefulness.

#### WITHDRAWAL OF STUDENTS.

Parents, or guardians, who wish to withdraw their children or wards from the University, should write to the President of the Faculty, stating their wishes. Unworthy students, sometimes, deceive the Faculty by pretending that their parents desire them to return home. No honorable discharge will be given to a student under age, who is unable to produce the written application of his parent or guardian for his withdrawal. Nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of study, neglect of duty, or other cause, even though he may have the consent of his parent or guardian for his withdrawal from the University.

#### RELIGIOUS SERVICES.

Religious services, consisting of reading a portion of scripture, prayer and singing are held in the chapel every morning and evening during five days of the week, and once on Sunday. Both students and Faculty are required to attend these exercises, unless excused as provided by the Board of Trustees. Opportunities are afforded for attending church, and students are expected to attend the one of their choice at least once on Sabbath.

Will parents see that their children are furnished with Bibles on leaving home for the University?

### YOUNG MEN'S CHRISTIAN ASSOCIATION.

There is organized in the Institution a Young Men's Christian Association, which holds its meetings in the University building.

This organization affords those disposed to profit by its privileges, the means of Christian culture, and the encouragement of upright associates.

#### BOARDING HOUSES.

Students are required to board at such places as are approved by the Faculty, and are under the supervision of the President of the University. No change of boarding house will be allowed, except at the end of each term, unless under extraordinary circumstances, nor without the permission of the President. This regulation does not apply to students who are residents of Fayetteville, but the parents of such students are expected to see that they conform to the regulations of the University.

If at any time the influence of a boarding house be found pernicious, boarders will be removed at the instance of the Faculty.

#### EXPENSES.

Board, including fuel, lights and washing, is obtained from \$10 to \$16 per calendar month.

Day boarding can be had for from \$8 to \$10 per month. All Beneficiary and Normal Students, on entering the Preparatory Department, and all new students, on entering the Collegiate Department, are required to pay a matriculation fee of \$5.

Tuition is free in all the departments of the University proper. Students entering the Preparatory Department, without either Normal or Beneficiary appointments, are required to pay a tuition fee of \$10 per term, invariably in advance.

No student will be enrolled till all fees are paid, and no tuition fees will be refunded, except in cases of sickness causing continuous absence of not less than twelve weeks.

#### POCKET MONEY.

The Faculty would advise parents to allow their sons but little pocket money. It has been well said in regard to students, that "a pocket full of money and a head full of sense are seldom found together." Money can be sent monthly for the payment of boarding and other necessary expenses. Postal orders can always be cashed at the post-office in Fayetteville. The President of the Faculty cannot personally take charge of the financial affairs of students.

#### LABOR.

The farm is small and affords but little remunerative labor. Students should not come here with the expectation of steady employment. While it is true that several students have paid their entire expenses in school by labor, it was done only by the closest economy. So far as the finances of the University will permit, labor will be made remunerative; the rate of wages being fixed from eight to ten cents per hour, according to the character of the work performed and the efficiency of the worker.

#### LITERARY SOCIETIES.

Two Literary societies, the "Mathetian" and the "Philomathean," have been organized by the College proper, and are in successful operation. The Preparatory Department

also, has four societies, the "Phamakoptan," "Cleosophic," "Kalligenian" and "Alethian."

#### DEGREES.

The following resolutions, submitted by President Hill, were adopted by the Board of Trustees at its annual meeting, June 1882:

- 1st. That the President be regarded as the head of the A. B. department; and that the other departments be distributed among the Professors by themselves in Faculty meeting; and that each Professor be considered as the head of the department in which he has an excess of work, and that when there is no such excess, the department shall be assigned to the President.
- 2d. That students choose such studies as they please, but shall not get a diploma in any department without the approval of the head of that department; and it shall be proper for all the Faculty to sign their diplomas.
- 3d. A student may drop a study or studies in any department, provided he take a study or studies to which an equal amount of time be given, and provided he carry four studies.
- 4th. That on the recommendation of five Professors, with whom he has completed the specified work, or its equivalent in the same course, a student shall be entitled to the degree of Bachelor of Philosophy, and to the signature of the President and Secretary of the Faculty.
- 5th. That these resolutions be not retrospective, so as to apply to students who are now graduates, but shall supersede, for the future, all past legislation on the subject of degrees.

#### PRIZES.

Mr. B. H. Stone, of Fayetteville, gives annually a gold medal, valued at \$25, for the best essay written by a student of the University. The Faculty of the University selects the subject and prescribes the method of competition.

A member of the Board of Trustees offers a prize of \$25 to any student of the University, who after having passed a satisfactory examination in the antecedent sciences of the scientific course, attains the greatest proficiency in Geology.

D. Appleton & Co., New York, offers a prize of \$25 to that Senior who has taken the highest standing in Mathematics during the four years of the Collegiate Course.

The Mathetian Society offers two gold medals, worth \$15 each, to be competed for by those of its members who are also members of the Freshman and Sophomore classes; one for the best oration by a gentleman, the other for best essay by a lady.

The *Philomathean Society* also offers its members two gold medals; one for the best recitation by a lady, the other for the best oration by a gentleman, member of the Sophomore class.

For the year 1882-3 the Stone and Appleton medals were awarded as follows:

STONE MEDAL-Mr. L. S. Anderson, Craighead county. APPLETON MEDAL-Mr. C. D. Greaves, Garland county.

#### JUNIOR HONORS.

The Faculty every year selects from the Junior class, as class orators to represent the class during com-

mencement week, the two young men who have attained the highest standing during the year. Each of the collegiate societies is also represented at the same time by one of its members chosen from the Junior class.

For the year 1882-3 these honors were conferred as follows:

Class Orators—Mr. L. S. Anderson, Craighead county, and Mr. D. A. Gates, Drew county.

PHILOMATHEAN ORATOR-Mr. G. W. M. Reed, Washington county.

MATHETIAN ORATOR-Mr. W. H. Duncan, Faulkner county,

GRADUATING ORATIONS AND ESSAYS FOR 1882-3.

SALUTATORY.—Intexibility of Law.—Henry Stroup, Franklin county, Ark.

Conscience—C. O. Bates, Washington county, Ark. Exils of Public Life—J. F. Mayes, Washington county, Ark.

Two Poets: Browning and Tennyson—Miss Lou Taliaferro, Benton county, Ark.

Principles of Taxation—W. W. England, Washington county, Ark.

"Books Are Not Absolutely Dead Things"—Miss Jessie Lee Cravens, Washington county, Ark.

VALEDICTORY—National Dangers—C. D. Greaves, Garland county, Ark.

#### LIBRARY AND READING ROOM.

The University Library, containing 1750 volumes, comprises some valuable works, and additions are con-

stantly being made. Nearly all of the newspapers of the State are kept on file in the Library, and students have access to them as well as the books, at certain hours each day. No Library fee is charged. Books can be taken from the Library, under proper restrictions, by the students.

The following named papers and periodicals have been furnished to the Library of the University, either by the publishers or by friends of the University:

> Wheeler's Independent. Fort Smith, Ark, Fort Smith Elevator, Fort Smith, Ark. Russellville Democrat, Russellville, Ark. Southwestern Presbyterian, New Orleans, La. Central Presbyterian, Richmond, Va. Weekly World, Helena, Ark. Van Buren Press, Van Buren, Ark. Arkansas Beacon, Searcy, Ark.. Weekly Arkansas Gazette, Little Rock, Ark. Arkansas Democrat, Little Rock, Ark, Temperance Banner, Little Rock, Ark. Batesville Guard, Batesville, Ark. North Arkansas Pilot, Batesville, Ark. Ozark Democrat, Ozark, Ark, Monticellonian, Monticello, Ark. Harrison Times. Harrison, Ark. Musical Record, Boston, Mass. Arkansas Sentinel, Fayetteville, Ark, Fayetteville Democrat, Fayetteville, Ark. Alma Independent, Alma, Ark. Arkansas Watchman, Beebe, Ark, Prescott Dispatch, Prescott, Ark. Marianna Index, Marianna, Ark. Malvern Meteor, Malvern, Ark. Log Cabin, Conway, Ark. Waldron Reporter, Waldron, Ark. New Departure, Carlisle, Ark. American Journal of Education, St. Louis, Mo. Engineering and Mining Journal, New York, Charleston Vindicator, Charleston, Ark. Pine Bluff Press-Eagle, Pine Bluff, Ark. The Camden Beacon, Camden, Ark, Phillips County Patriot, Helena, Ark, Clarksville Enterprise, Clarksville, Ark. Jonesboro Times, Jonesboro, Ark.

Des Arc Citizen, Des Arc. Ark,
Jacksonport Herald, Jacksonport, Ark,
Beebe Times, Beebe, Ark.
Arkansas Clipper, Arkadelphia, Ark.
Brinkley Argus, Brinkley, Ark.
Arkansas City Journal, Arkansas City, Ark,
New Bentonian, Bentonville, Ark.
New York Weekly Witness, New York.
Gems of Poetry, New York.

# THE FOLLOWING IS A LIST OF PERIODICALS PURCHASED FOR THE LIBRARY.

St. Nicholas, (monthly). Littell's Living Age, (weekly). Popular Science Monthly, (monthly). Harper's Monthly, (monthly), The Century, (monthly). New York Herald, (daily). Scientific American, (weekly). Chemical News, (weekly). American Naturalist, (monthly), Gardner's Monthly, (monthly). Rural New Yorker, (weekly). Sunday School Times, (weekly). Le Français, (monthly). Education, (bi-monthly). Princeton Review, (bi-monthly). Van Nostrand's Engineering Magazine, (monthly). The Nation, (weekly). Atlantic Monthly, (monthly).

#### SUMMARY PERIODICAL LITERATURE.

Magazines-monthlies and bi-monthlies	
Magazines—weeklies 6	
Newspapers	
Books purchased for the Library	

#### DONATIONS TO THE LIBRARY.

During the year ending June 8th, 1882, by

United States (covernment Valuable Government Documents and Reports, 40 volumes,

Hon. T. M. Genter street, and Maps of Colorado. Bathetin United States (reological and Geographical Survey, and other valuable Reports.

Commissioner of Education - Works on Industrial Education: Circulars of information; Report, 1883.

Mrs. Elizabeth Thompson, 2 volumes.

9 c.

#### CABINET AND MUSEUM.

The Cabinet of Minerals consists of a collection of State Minerals, contributed by various parties of the State, and by the Professors.

The private collections of the Professors, amounting to several hundred specimens, are at the disposal of the students for study.

The University has but few specimens from outside the State.

There has been constructed an herbarium case large enough to hold the indigenous plants of North America and such exotics as are of economic value. It will be the work of years to complete a collection of the plants of North America, but the work will be immediately begun.

The private Herbarium of the Professor amounts to 2,000 specimens. Students will have access to it in the prosecution of their work.

There are about 500 species of Animal Specimens, to illustrate the various departments of Zoology.

Appropriations have been made to purchase a geological map of the United States, and rocks and fossils, to illustrate Dana's Section, which, together with fossils found in Arkansas, will quite fully illustrate the subject.

Collections in all the departments are slowly accumulating.

The Scientific Departments of the University are under obligations to the officials of the railroads of the State, for free transportation of specimens for the Museum and Cabinets, and also for passes issued to the

Professors, enabling them to make collections for the University in remote parts of the State.

#### CONTRIBUTIONS TO THE BIOLOGICAL DEPARTMENT.

#### 1882-3.

LOCALITY.	DONOR.	SPECIMENS.
Pacific Coast Arkansas Arkansas	C. D. Greaves	Rabbit skin and specimens of grasses Star fish and sea urcbin Birds for skinning

#### CONTRIBUTIONS TO GEOLOGICAL AND MINERALOGICAL DEPARTMENTS.

#### 1882-3.

LOCALITY.	DONOR.	SPECIMENS.		
Washington and Craw-	Capt. Wheeler	Uine specimens of Tossal plants and		
Franklin county		minerals. [Indian relics and concretions		
Page country	D G Madden	Ochres. Fossils from the cretaceous forms-		
Webb City, Mo	P. P. Peck	tions. Emery, coal and kaolin. Blende and dog-toothed spar.		
Arkansas and other lo-		Siphuncle of orthoceratite.  30 species of fossils.		
Indian Territory	F. L. Harvey F. M. Bates J. R. Ward Chas. Hauptman	Ammonite s'igil.		
Indian Territory	C. R. Buckner			

Persons desiring information about Plants, Animals, Possols or Minerals, which they have precised in the State, or elsewhere, or who may wish to contribute Specimens to the General Cabinet or Museum, are invited to send good specimens to Prof. E. L. Harvey who has charge of the General Cabinet and Museum. Questions will be answered as far as possible, and valuable specimens placed in the cohection, to the credit of the donor.

# CONTRIBUTIONS TO COLLECTION OF STATE MINERALS,

## 1882-3.

COUNTY.	CONTRIBUTOR.	MINERAL.
Benton Benton Benton Calhoun Conway Independence Polk Washington White	David Slider.  Jacob Rummel.  Dr. W. D. Polson.  J. C. Force.  B. H. Thomason  P. O. Breeden.  John Wolfer.  Wm. J. Barton.  W. D. Littlefield.  V. H. Henderson.	Prairie soil, for examination. Mineral, for examination. 7 minerals, for examination. 8 minerals, for examination. 5 minerals, for examination. 2 jugs mineral water for examination. 9 minerals, for examination. 6 minerals, for examination. Lead ore and gangue. Mineral water, for examination. 10 minerals, jor examination.

#### CONTRIBUTIONS FROM OTHER STATES AND TERRITORIES.

# 1882-3.

LOCALITY.	CONTRIBUTOR.	MINERAL.		
Indian Territory	J. K. Adair	Mineral water and deposit from oil		
Indian Territory	Col. E. C. Boudinot	spring, for examination. Zinc ore, for examination. Silver ore. Silver ore.		
New Mexico	Col. E. C Boudinot	Black agate.		

### REPORT UPON ANALYTICAL WORK DONE FOR CITIZENS OF ARKANSAS BY C. P. CONRAD.

SUBSTANCE.	COUNTY.	CONTRIBUTOR.	ANALYSIS.	RESULTS.
1 Deposit from well water with slate 2 Mineral	Perry	G. T. Holmes	1 qualitative	Sulphate and sulphide of iron.
3 Mineral	Newton	J. T. Ward	1 qualitative	Ore of iron, Ilmonite
4 Spring water	Washington	Hon. John Crawford	l quantitative	solids   Magnesium   SOS   SOS
5 Mineral 6 Quartz, hard, dark colored	Carroll	B 1'. Suider	Lassays	For silver. Copper and iron pyrites.
7 Galena in calcareous spar	Montgomery	Rob't Alexander	Lassays	Silver, 40 oz. per ton of ore.
10 Black slate, quartz, galena and calc spar	Montgomery	Rob't Alexander	4 assays	Silver, 16 oz. per ton of ore
12 Stibnite and quartz	Howard	Dr. E W. McCrary	Bassays	Antimony 853 oz, per ton of ore.
14 3 varieties of mineral				Quartz, chert and limestone with py-
15 5 varieties of mineral				ie oxide.
17 Saline earth from cave			I quantitative	stone and pyrites. Alkali, 6.8 per cent (100°)
18 Spring water	Scott	E. N. McRay		Tot'l solids   Sodium 6,9 grs.   Calcium per gal.   Magnesium   Fe(trace)
19 Mineral 20 Chert, oxide of iron and clay	Benton	L. A. Figgins	2 assays	Zinc blende in calcite. For silver.
21 Red-brown fron ochres, very light 22 Green and brown clays	Benton	J. C. Force	2 assays,	For silver.  For silver.
24 Clay, chert and oxide of Iron 25 Limonite, ochres and chert	Benton	J. C. Force	2 assays	For silver.

ARKANSAS INDUSTRIAL UNIVERSITY

#### REPORT UPON ANALYTICAL WORK DONE FOR CITIZENS OF ARKANSAS BY C. P. CONRAD - Continued.

	SUBSTANCE.	COUNTY,	CONTRIBUTOR,	ANALYSIS.	"RESULTS.
26	Dark flint showing pyrites of Cu.		1		
	and Fe.	Independence	R. R. Case	2 assays	For silver.
	Green cherty limestone				
28	Quartz showing galena and pyrites	I'clk	Peter Wankins	12 11 11 11 11 11 11 11 11 11 11 11 11 1	I or silver, trace
	Calena	Washington	W. D. Littleheld		
30	'Maneral	Destiton	'Jacob Rammel	it quantative	Iron pyrites in large crystals weath- ered.
31	9 varieties of mineral	Independence	John Wolfer	9 qualitative	2 var. red hematite, limestone and
			1	1	calcite with pyrites.
			Ex-Gov. W. R. Mil er		
38	Mineral	Indian Territory.	Col E C, Boudinot	·1 qualitative	Carbonacions limestone with zinc
	4.11 /2 11	117 1	111 12 1 1 1 1 1 1 1 1	1	blende and iron oxide.
34	Alloy (fossil	Washington	W. D Littleheld,	'I qualitative	Alloy of tin and antimony.
0.0	Mineral water, "A"	Calleron	D II T1		Total solids (Sodium ) Chlorides
-011	Miller water, A	Carnon	D H. Thomason	i quantitative	per gallon.   Calcium   Sulphates.
36	Mineral water	White	V II Handaran		
87	Mineral	White	Hon T M Gunter for	A THURLITATIVE	
0.	1	1 - 11400			Examined for gold and silver, Chiefly
				, , , , , , , , , , , , , , , , , , , ,	pyrites.
38	Is varieties of minerals	White	Hon, T. M. Gunter .	S qualitative .	2 specimens of galena examined for
				*	silver), quartz and sandstone.
39	Mineral	White	Hon, T. M. Gunter	'I qualitative .	Calcite with dark, slaty limestone.
					Alkali, 5 % per cent. 306
	Calena				Lead 63 per cent, silver good trace.
			W. D. Little field		Silver 3 6/ per ton of ore lead 77,37 p.c.
			Mollet & Sarz ht		Silver 40.53 oz. per ton of ore.
			Havenka O Connell		Silver, a good trace.
	Quarte with gazera and pyribs		Pater Wood of		
	Chart, oxide of oroti and clay	Restant	Peter Minkits	2 (24)	1 or allow trace.
	The areas 47, tree of chert				
					The state of the s

Total analysis 125 - 4 quantitative, 7 Jassons, 44 play tative

#### APPOINTMENT OF BENEFICIARIES.

All appointments should be completed, if possible, before the opening of the autumn term. The County Judges, who make the appointments, should prepare duplicate notifications of appointments, one of which should be forwarded to the President of the University. and one to the Secretary of the Board of Trustees; and in case the appointee fails to appear at the University within twenty days after appointment (except in case of sickness), he or she will be regarded as having declined the appointment, in which case it will be the duty of the President of the Faculty to notify the person making the appointment of such failure, and he, in turn, should make another appointment as soon thereafter as possible; such other appointee being required to appear at the University as soon as possible after appointment. The President of the Faculty shall continue to notify appointed officers till their respective number of appointees make their appearance at the University.

All beneficiary and normal students should be present at the opening of the autumn term; and unnecessary delay, either of old students in returning, or new ones reporting, will lead to the forfeiture of their appointments.

#### QUALIFICATIONS.

The attention of County Judges is called to the fact that neither Normal or Beneficiary Students will be admitted, unless they have the following qualifications:

Students are not admitted until they have become thoroughly familiar with the fundamental principles of Arithmetic, viz: addition, subtraction, multiplication and division, and also of common and decimal fractions. In reading, they must be able to understand and intelligently render specimens of the grade of the Fourth Reader; must have a knowledge of primary English grammar, primary geography, the rudiments of penmanship, and the spelling of ordinary words of the grade of the Fourth Reader. These qualifications are the test of admission at the beginning of the session; those applying later will be admitted only on the grade of the class.

The sole object of the Normal Department being the training of teachers for the public schools of the State, the attention of County Judges is respectfully called to the following considerations:

Only such persons should be appointed to this department as really intend to teach, and, if possible, those who have had some experience in teaching.

All who enter this department will be required to take the course in training prescribed, to fit them for teaching.

#### APPOINTMENT FORMS.

As much trouble and annoyance is caused by students who have been appointed as Beneficiarics or Normals coming without any evidence of appointment, the following are adopted as the proper forms of notice to be given by the Judge of County Court to the President of the University and the Secretary of the Board of Trustees, upon the appointment of Beneficiary and Normal Students by the County Court, or the Judge thereof, in accordance with the sixth section of an act approved March 6, 1875:

[Form 1-Appointment.] No..... [To be given to the student.] I hereby appoint ...... County, State of Arkansas, as a Beneficiary, or Normal, as the case may be to the Arkansas Industrial University. Send a notice like the following to the President of the University, and one to the Secretary of the Board of Trustees at Favetteville. [Form 2-Notice to President of the University.] I hereby notify you that I have this day appointed...... the case may be,) to the Arkansas Industrial University. Given under my hand, this......day of.......188.....

#### BENEFICIARY AND NORMAL APPOINTMENTS.

It is provided in Section 18, of the Act of the General Assembly establishing the University, that the Board of Trustees shall have power to "prescribe the grade and number of scholarships, and prescribe the rules by which pupils who are to be admitted free shall be elected equally from the various parts of the State." They have, therefore, made provisions for 600 Beneficiaries, who will be entitled to four years free tuition, and 400 Normal students, who are also entitled to four years free tuition, who are apportioned among the several counties according to their respective populations by the United States census of 1880, which apportionment is as follows:

10 c.

COUNTIES.	Beneficiaries.	Normal.	Beneficiaries.	Normal.	Benchclaries,
			-		
Arkansas	6	1 4	1 6	4	Lee 10   6   9   6
Ashley	8	5	6	- 5	Lincoln 7   5   7   5
Baxter	4	8	4	8	Little River 4 2 8 2
Benton	15	9	10	9	Logan 11 8 10 8
Boone	9	6	5	6	Lonoke 9 6 7 6
Bradley	5	3	5	8	Madison 9 6 7 6
Calhoun	4	3	4	3	Marion 6 4 5 4
Carroll	10	- 6	10	6	Miller 7 5 7 5
Chieot	7	- 5	7	5	Mississippi 5 4 5 4
Clay	5	8	5	8	Monroe 7   5   6   5
Clark	12	.3	10	8	Mostgomery 4 3 3 3
Columbia	111	8	10	8	Nevada 10   7   9   7
Conway	10	. 6	6	6	Newton 4 2 4 2
Craighead	5	. 3	- 5	8	Ouachita 9 6 9 6
Crawford	11	. 8	9	8	Perry 2   1   2   1
Crittenden	7	4	6	4	Phillips 16   10   15   10
Cross	4	2	4	2	Pike 5   8   5   3
Dallas	δ	4	5	4	Poinsett 2   1   1   1
I's shat	7	1 4	1 4	4	Polk 4   3   4   8
Dorsey	6	1 4	6	4	Pope 11   8   9   8
Drew	9	6	8	6	Prairie 6   4 . 6   4
La akhen	10	6	8	6	Pulaski 25   18   20   18
Franklin.	11	8	2	8	Randolpb 9   6   8   6
Fulton	5	1 8	4	8	Saline 7 5 7 5
Garland	7	4	6	4	Scott 7 4 4 2
Grant,,	5	- 8	5	8	Searcy 5 4 5 4
Cireene	.5	4	5	4	Sebastian 15 12 11 5
Hempstead	14	10	10	10	Sevier 5 8 5 8
Hot Spring	6	4	6	4	Sharp 7 5 5 5
Howard	7	5	6	5	Stone 4 4 8 4
Tude; endense	13	8	18	8	St. Francis 6   4   6   4
12 814	8	6	8	6	
Jackson	9	12	15	6	
Lefterson	9	12	7	12	
Johnson	4	2	4	2	
Lafayette	6	. 4	5	4	
Lawrence	0	1 19	0	1 19	Yell   11   7   10   7

There is also one "Honorary Scholarship" to each county, to be selected for superior merit and proficiency from the public schools of each county, according to Section 2, of Act July 23, 1868.

### AN ACT

TO REGULATE THE SALE OF ARDENT SPIRITS NEAR THE ARKANSAS INDUSTRIAL UNIVERSITY.

Be it enacted by the General Assembly of the State of Arkansas:

SECTION 1. That it shall be unlawful for any person to sell or give away vinous or ardent spirits within three miles of the Arkansas Industrial University, except the same be for medical purposes, as hereinafter provided.

SEC. 2. Be it further enacted, That no person shall sell or give away any vinous or ardent spirits within three miles of said University, unless he be a regular practicing physician. and not until he has signed and sworn to an affidavit before the county clerk of Washington county, and shall have the same duly recorded, which affidavit shall be in the following form: I, ————, do solemnly swear that I am a regular practicing physician; that I will not sell or give away any vinous or ardent spirits to any one unless it be for medical purposes, and believe the kind and quantity will be beneficial in the treatment of the disease under which the patient is suffering.

SEC. 3. Be it further enacted, That no one shall be excused from the penalty of this act who may, contrary to its provisions sell, or cause to be sold, intoxicating drink, by reason of its being put up as bitters, mixed with drugs or vended as a medicine, except as provided for in the foregoing sections.

SEC. 4. Be it further enacted, That any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and for each offense shall be fined not less than ten nor more than two hundred dollars; and this act shall take effect and be in force from and after its passage.

Approved March 6th, 1875.

# BRANCH NORMAL COLLEGE

----AT----

### PINE BLUFF.

The Branch of the Normal Department of the Arkansas Industrial University was established by the General Assembly for the purpose of securing an adequate supply of properly trained teachers for the colored public schools of the State. Its terms, course of study, sessions, etc., correspond with those of the Normal Department at Fayetteville, and each county judge is entitled to appoint as many colored beneficiaries to the Institution at Pine Bluff as his county is allowed, under the apportionment, to send white ones to Fayetteville; consequently the two classes of appointments do not interfere with each other. The expenses of a student at Pine Bluff, for board and washing, need not exceed \$12 per month, and a number of those who have heretofore attended have managed to reduce their expenses very materially by labor.

For further information address the Principal,

PROF. J. C. CORBIN.

Pine Bluff, Ark.

# FIFTH ANNUAL ANNOUNCEMENT

AND

# CATALOGUE

OF THE

# MEDICAL DEPARTMENT

ARKANSAS INDUSTRIAL UNIVERSITY.

SESSION OF 1883-84.

LOCATED AT

LITTLE ROCK.

LITTLE ROCK:

A. M. Woodruff, Adm'r Geo, Woodruff, Printer, 1883.



### FIFTH ANNUAL ANNOUNCEMENT

OF THE

# MEDICAL DEPARTMENT

# ARKANSAS INDUSTRIAL UNIVERSITY.

The Trustees of this institution present this, their Fifth Annual Announcement. They acknowledge the generous confidence the profession of this State has thus far accorded this School, and take this opportunity to assure all its friends, and co-supporters, that in the future, as in the past, they will find this department moving along the great highway of progress.

The growing interest manifested by all classes of citizens in the prosperity and advancement of education throughout the State, gives assurance that this branch will continue to receive that support it so worthily merits.

It is the only Medical College in the State, and designed especially to foster this department of science, as also to encourage the attainment of a more thorough

knowledge of medicine in the profession, the Trustees solicit all persons, intending to commence its study, or who are already engaged in its practice, but who have been unable to obtain that systematic instruction they desire, to come to this college and complete what they originally expected to do.

This College, with this announcement, enters upon its fifth anniversary, and the work that it has already accomplished is a sufficient guarantee of what its future will be—a credit and honor to this great and growing commonwealth.

#### LOCATION.

Little Rock is situated near the center of the State. It has now direct railway communication with North, South, East and West. Other roads are in process of construction, or projected, so that within a very limited period railroads will center in Little Rock from all sections of the State.

The city has, also, during one-half the year, splendid water communication. It has a population of nearly 25,000. It is built upon the South bank of the Arkansas river, upon a high, undulating bluff. Its drainage therefore, is natural and perfect, and its healthfulness superior to any city west of the Mississippi river. In it epidemics of all kinds are unknown.

The Deaf Mute, Blind and Lunatic Asylums, State institutions, are located here.

### SESSION OF 1882 AND '83.

The Fourth Annual Course of Lectures commenced on Tuesday, October 3d, 1882, and continued until

March 1st, 1883—five months. There were thirty-six regular matriculates in this Course, four of whom graduated.

#### COLLEGE BUILDING.

The Faculty owns its building, which is a large and commodious brick structure, with an iron and stone front.

This structure has one of the best arranged dissecting rooms in any institution of similar character; it is well ventilated, and provided with all the modern conveniences.

The building is very conveniently situated, between Main and Louisiana, on Second Street, and is in all respects well adapted for clinical and didactic instruction.

#### HOSPITAL.

The Hospital, under the management of the Ladies' Benevolent Association of the City of Little Rock, will afford ample material for all kinds of clinical instruction in medicine and surgery. The sick, injured and afflicted, flock to this institution during the fall, winter and spring months, from every section of the country, and students will have an excellent opportunity to observe and study diseases in all its various phases; as, also, to witness a large number of surgical operations.

The construction of a new City Hospital is in contemplation. This will increase the advantages of students.

#### ANATOMY.

The General Assembly of the State of Arkansas passed an Act in the winter of 1873 legalizing dissection.

11 c.

This act is a generous one. No State in the Union possesses a more liberal provision for the prosecution of the study of Anatomy. Any amount of material can be procured *legally*, with but a nominal expense to the student. This item alone is of no small consideration to a zealous laborer in this department.

#### MEDICAL HYGIENE AND BOTANY.

Medicial Hygiene has lately assumed such a prominence, both among medical and scientific investigators of the etiology of disease, that a course of instruction has been inaugurated in the Medical Department of the Arkansas Industrial University on this important branch.

Medical Botany has also been added to our curriculum, with a view of giving students a practical knowledge of the medical properties of the indigenous flora of the country.

A knowledge of Hygiene and Botany is considered very essential qualifications of the general practioner, although not regarded with favor by a large majority of the medical colleges of this country, as very few of them give instruction in either of these useful branches.

#### CLINICS.

The past session has demonstrated the fact that there is an abundance of material in the City of Little Rock and surrounding country for all kinds of clinical instruction.

There will be a surgical clinic twice per week, which, in the number and variety of operations performed,

will compare favorably with any of our larger institutions.

The Eye and Ear Clinic is particularly instructive, and will embrace a very extended variety of diseases in this special department.

There will also be a Gynaecological Clinic. Clinical Medicine will receive special attention, and cases of all kinds of diseases will be practically exhibited, and the treatment in each instance given.

#### DISPENSARY.

The Faculty have established a Dispensary in connection with the College, where Clinics will be held daily, and advanced students will have the benefit of examining and prescribing, under the direction of the Professors. This will afford facilities for practical instruction seldom offered at many other institutions.

#### COURSE OF LECTURES.

The fall course of Lectures in the Medical Department of the University will commence on Monday, October 3d, 1883, and continue five months.

These Lectures will be so arranged as to time, as to afford students the greatest possible advantage. They will have an opportunity to prepare themselves upon the subject of each lecture.

### PROSPECTS FOR THE COURSE OF 1883-84.

The Medical Department of the University takes an unusual degree of pleasure in making known to the medical profession of the Trans-Mississippi section of country the unparalleled success it has met with the past four years, and to assure its friends and supporters

that the next course of Medical Lectures will greatly increase the number of present matriculates. Starting de novo, unaided, and upon an extremely limited notice to the public, it has received a liberal patronage, which the character of the instruction, and the opportunities offered, have proved advantageous to all concerned. The number of communications daily received, for special information: the number of students that have access from time to time to the Medical College building, together with our unsurpassed geographical center, insure to this College an unusually large number of matriculates at its ensuing session.

We do not pretend to offer students any advantages beyond those of a practical nature, but assure them, in advance, that our terms will be in every essential particular strictly adhered to. We would, however, request the medical students of the South and West to come here and see for themselves before they go elsewhere.

#### FEES:

Professors' Tickets	50	0.0
Matriculation Ticket (only paid once)		
Demonstrator's Ticket		
Hospital Ticket		
Graduation Fee		

Fees for Professors' Tickets and Matriculation must be paid on entering.

#### BOARD, ETC.

Boarding can be procured in private families as cheap in Little Rock as in any other city in the country.

## REQUISITES FOR GRADUATION.

The candidate must be twenty-one years of age, of good moral character, and must present to the President the requisite evidence of having studied medicine three years, inclusive of attendance upon lectures.

He must have attended two full courses of lectures in a recognized medical college, the last of which shall have been in this Institution.

He must present to the President, by the first of February, a thesis, in his own hand-writing, on a medical subject. The amount of the graduation fee must be deposited with the thesis; in case of failure to pass a satisfactory examination, the money will be refunded.

A report of any of the clinics will be accepted in lieu of the ordinary thesis.

He must pass a satisfactory examination on anatomy, physiology, chemistry, materia medica, practice and general pathology, obstetrics and diseases of women and children, diseases of eye and ear, and surgery.

# Mathidulates for 1862-83

Bailey, William TArkansas.
Basham, John PArkansas.
Bell, John CArkansas.

Bond, Sterling	Arkansas
Bryan, William T	
Buckner, Thomas J	
Capshaw, M. J.	
Chamness, Gilbert C	
Dalton, George	
Davis, William A	
Driver, John H	
Graham, Jr., Andrew J	
Hale, Harry A	
Hiett, James W	
Hooper, Perry	
Hunt, William R	
Jones, C. P	
Lindsey, James H	
Lindsey, Jr., William S	
Martin, George A. E	
Mickel, Fred A	
Moore, William II	
Patterson, William E	
Paynor, George V	
Richardson, Priar L	
Robertson, Harry S	4
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Rutherford, Thomas F	
Seaver, James A	
Sherrill, Miller F	
Thompson, Lewis Q	
Woolford, William S	
Zachary, Burr S	Arkansas.

## GRADUATES.

Basham, John P	Clarksville,	Ark.
Rutherford, Thomas F	.Manchester,	Ark.
Seaver, James A	Little Rock,	Ark.
Zachary, Burr S	London,	Ark.

The "Honorary Degree" of Doctor of Medicine was conferred on James M. Keller, M. D., of Garland County, Ark.

### PROCEEDINGS

OF THE

# ANNUAL MEETING

OF THE

### BOARD OF TRUSTEES

OF THE

# ARKANSAS INDUSTRIAL UNIVERSITY,

Held at the Secretary's Office, Fayetteville, Ark., June 1th, 1883.

At 12 o'clock, M., June 4th, 1883, the Board of Trustees convened at the office of the Secretary of the Board, in the University building, pursuant to law.

Present and presiding, Hon. James H. Berry, Governor of the State and ex-officio President of the Board; of the other members of the Board there were present, Hon. Wood E. Thompson, Superintendent of Public Instruction, and Gen. D. H. Hill, President of the Faculty, both exofficio members of the Board; Charles Coffin, 1st Con-

gressional District; J. P. Eagle, 2nd District; Joseph W. Martin, 4th District; Geo. J. Crump, 5th District; Thos. M. Gunter, Washington county. Absent, J. T. Bearden, 3rd District.

The oath of office was administered to the appointed members present, by Hon. J. M. Pittman, Judge of the 4th Judicial District.

Jesse L. Cravens was re-elected Regent of the University and Secretary of the Board of Trustees; and Wm. McIlrov was re-elected Treasurer, for the ensuing year.

The Secretary was instructed to notify the Board of Visitors, that the Board of Trustees was organized, and ready to receive any communication they might desire to present.

The following standing committees were duly elected by the Board:

#### EXECUTIVE COMMITTEE.

J. W. MARTIN, Chairman.

W. E. THOMPSON.

J. P. EAGLE.

G. J. CRUMP.

FINANCE COMMITTEE.

T. M. GUNTER, Chairman.

J. T. BEARDEN.

G. J. CRUMP.

BY-LAWS.

J. P. EAGLE, Chairman.

CHAS, COFFIN,

CHARLES COFFIN.

J. T. BEARDEN.

PRINTING.

GEN. D. H. HILL. Chairman.

CHAS. COFFIN.

T. M. GUNTER.

BRANCH NORMAL SCHOOL.

W. E THOMPSON,

GOV. J. H. BERRY, Chairman.

J. T. BEARDEN,

J. P. EAGLE'

The bond of the Regent and Secretary was fixed at \$10,000 and that of the Treasurer at \$20,000.

12 c.

The report of Gen. D. H. Hill, President of the Faculty, was read by himself, the Board of Visitors being present by invitation.

Upon recommendation of the Faculty, degrees were conferred upon members of the graduating class, as follows:

Miss Lou Taliaferro. B. E. L.

· Miss Jesse Lee Cravens, B. L. L.

Mr. C. D. Greaves, A. B.

Mr. Henry Stroup, A. B.

Mr. C. O. Bates, A. B.

Mr. J. F. Mayes, A. B.

Mr. W. W. England, A. B.

And upon Miss Sarah E. Harris, Professor of English Literature and History, the degree of A. M.

The rule on enrollment was amended so as to read as follows:

Every student who appears at the University for enrollment, shall at once present himself to the Secretary of the Board, who upon payment of all proper fees shall enroll the student, noting the status of such enrollment, whether beneficiary, normal or otherwise, and shall furnish such student with a certificate of his status, which certificate shall be presented promptly to the President of the Faculty, who shall, if otherwise found qualified, enter the name of such student upon the roll of the University in the proper department; and no student shall be allowed to recite with any class or enter the University until properly enrolled.

The following resolutions were adopted:

1st. Regular class exercises shall be continued through-

out the week from Monday A. M. until Friday P. M., inclusive.

2d. That Saturday forenoon shall be occupied by the various society exercises, under such regulation and supervision as the Faculty may provide, and subject to the usual rules of discipline in force in the various departments of the institution.

3d. That a chapel service shall be held once on each Sabbath at the University, consisting of reading a portion of Scripture, prayer and singing, at which there shall be a general attendance of Faculty and students, unless excused by the Faculty for sufficient reason, or on written application of parents or guardians; and after these exercises there may be such further religious exercises as may be provided by the Faculty, the attendance on which shall be entirely voluntary.

On account of the excitement and interruption incident to Christmas, it was provided that a vacation be made to extend over the Christmas holidays, commencing after the close of the University exercises on Friday evening before Christmas and ending on the Sunday next after the first day of January.

Appreciating the influence of example as well as precept, it was provided:

That whenever a general attendance of the students is required in the chapel by regulation, the Faculty shall also be expected to attend, unless excused for reasonable cause by a vote of two-thirds of the Faculty.

Vocal music is taught as a regular exercise in the University, but the members of the Collegiate and Sub-Freshman classes are permitted to elect whether they shall participate in these general vocal exercises, but all who do en-

gage in them are required to provide themselves with such books as are deemed necessary by the head of the musical department.

The general discipline of the University is left entirely with the Faculty, as to its details, except that as to students in the Preparatory Department dismissal by the Faculty shall amount only to a temporary suspension, not to exceed, in any case, the period of the current session, unless extended by the Board of Trustees at their annual meeting on a recommendation made by the Faculty at the time of dismissal by them.

Particular attention is called to the following:

Resolved, That hereafter students shall not be admitted into the Preparatory Department of the University unless they possess the qualifications as published in the annual catalogue, and that the President of the Faculty be requested to see that this resolution is strictly enforced.

Also the following:

WHEREAS, The successful management and future prosperity, of the University depend, in a great measure, upon the maintaining of a thorough discipline, enforcing the esteem of the students for the Faculty, and a respectful regard for the rules and regulations adopted for their government; and

WHEREAS, This cannot be accomplished without a sound head and a strong hand, and the harmonious action of all the various members of the Faculty: Therefore,

Resolved, That in Gen. D. H. Hill, the President of the Faculty, we recognize that firmness, integrity and ability which eminently qualify him for the position which he occupies; and with pleasurable pride we point to the work being done by our Faculty and to the distinguished ser-

vices they are performing in the cause of art, literature and science.

We also call attention to the following extracts from the report made to the Governor by the Board of Visitors in attendance upon the Commencement exercises just closed:

"We attended all the Commencement exercises of the students, in the chapel, and were present at the examination of several of the classes. The bearing and deportment of the students, their proficiency as shown at their examinations, and the splendid exhibition of musical, oratorical and literary talent during the public exercises deeply impressed us with the efficiency of the Faculty who have the University in charge. All the exercises participated in by them evidenced a high degree of merit and would have reflected credit upon any institution in the country. In all the departments in which the students appeared, they showed that they had been the recipients of no ordinary training, and that they had passed under the magic touch of scientific and skilled hands.

We think the credit is most eminently due to the President, Gen. D. H. Hill, and to his efficient corps of professors and teachers.

The University affords a first-class education to those who seek it, and prepares its students to enter successfully the race of life.

It affords us pleasure to state that we took the the testimony of many witnesses in regard to the management of the University, and that all the evidence before us confirmed the high character of the President, Gen. D. H. Hill; it proved he was prompt and energetic in discharging the duties of his position; that he had the respect of

all brought in contact with him, and that he showed a kindly and fatherly care for those under him.

In the absence of any testimony upon the subject, no one who was impartial could have visited the University, as we did, and associated with the Faculty and students, without being impressed with the fact that all the members of the Faculty were equal to their respective positions and were zealous in their efforts to maintain the reputation of the institution, and that the students had availed themselves of the advantages offered to them at the University.

Let our people feel a permanent and abiding interest in the University and give it proper support, and not many years will elapse before its reputation will equal that of any institution in the country.

A healthy and pleasant location, an elegant and suitable building and an able and experienced Faculty, all combine to make the University desirable for those of our citizens who have children to educate.

We take great pleasure in recommending it to the people of the State.

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